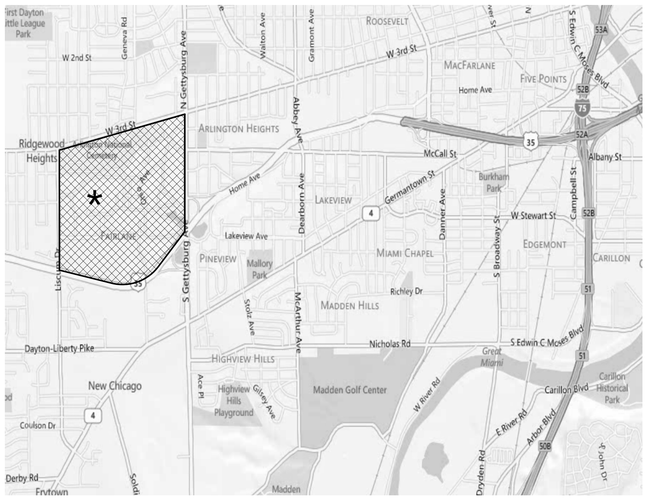
Stabilize Historic Buildings

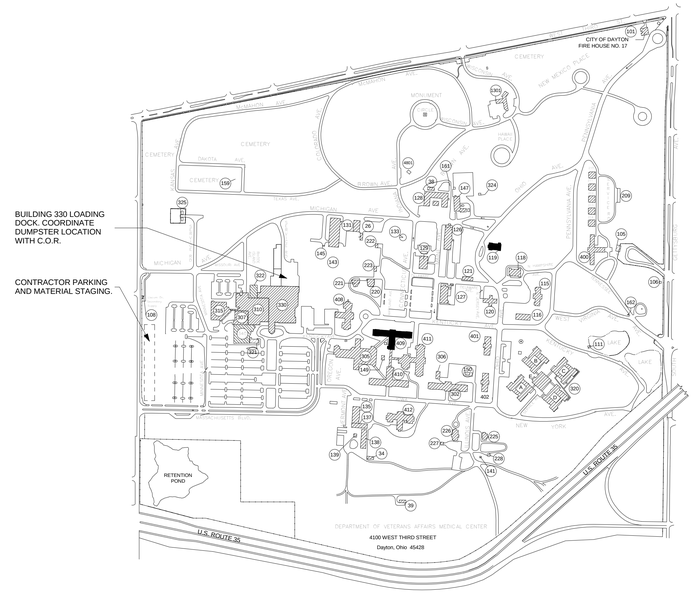
Department of Veterans Affairs Medical Center

4100 West Third Street Dayton, Ohio 45428



N
PROJECT

Vicinity Map



N
PROJECT

Campus Plan

GENERAL CONSTRUCTION NOTES

* PLEASE NOTE THAT THE TERM PROJECT ENGINEER REFERS TO THE CONTRACTING OFFICER'S REPRESENTATIVE.

1. ALL WORK SHALL COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE, INTERNATIONAL BUILDING CODE, AND OTHER COES AS IDENTIFIED IN VHA PROGRAM GUIDE PG-18-3, TOPIC 01, CODES, STANDARDS AND EXECUTIVE ORDERS WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERAN AFFAIRS, TECHNICAL INFORMATION LIBRRARY WEBSITE.
2. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE LATEST ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD (ABAAS) AND DEPARTMENT OF VETERANS AFFAIRS BARRIER FREE DESIGN GUIDE PG-18-13 WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERANS AFFAIRS TECHNICAL INFORMATION LIBRARY WEBSITE.
3. CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE, EXAMINE AND ACCEPT EXISTING ONDITIONS PRIOR TO BIDDING. SITE VISITS TO BE COORDINATED WITH THE CONTRACTING OFFICER'S REPRESENTATIVE.
4. CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REFINISH, TO MATCH ADJACENT EXISTING SURFACES, ANY EXISTING MATERIALS TO REMAIN THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION OR NEW WORK.
5. WHERE REMOVAL OF EXISTING WORK IS REQUIRED FOR INSTALLATION OF NEW WORK, CONTRACTOR SHALL REPAIR EXISTING CONSTRUCTION TO REMAIN OR PROVIDE NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES TO REMAIN.
6. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING NEW MATERIALS.
7. CONTRACTOR IS RESPONSIBLE TO VERIFY SIZES OF ALL EQUIPMENT, ETC. TO BE INSTALLED AS PART OF THIS PROJECT, AND WHERE NECESSARY, MAKE SPECIAL PROVISIONS TO INSTALL EQUIPMENT THAT IS TOO LARGE TO FIT THROUGH FINISHED OPENINGS.
8. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AT TOILET ACCESSORIES, HAND RAILS, BUMPER RAILS, SHELVING, CASEWORK, MOUNTING BRACKETS AND OTHER WALL MOUNTED ITEMS, AS INDICATED IN THE CONTRACT DOCUMENTS AND AS RECOMMENDED BY PRODUCT MANUFACTURERS. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED.
9. ALL EXPOSED NEW WORK IS TO RECEIVE NEW FINISHES UNLESS SPECIFICALLY NOTED OTHERWISE. IF NO FINISH IS INDICATED AT A PARTICULAR SURFACE, CONTRACTOR SHALL PROVIDE FINISH(S) AS INDICATED AT SIMILAR CONDITIONS.
10. CONTRACTOR SHALL PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEMS WHICH COMPLY WITH STATED CODES AND REGULATIONS. WHERE THE OMISSION OF A PART OR ELEMENT OF A SYSTEM WOULD RESULT IN THE NON-OPERATION, OR INCORRECT OPERATION OF A SYSTEM, CONTRACTOR SHALL INCLUDE SAID PART OR ELEMENT AS PART OF THE WORK.
11. ALL PENETRATIONS THROUGH NEW AND/OR EXISTING SMOKE OR FIRE RATED WALLS SHALL BE SMOKE/FIRE STOPPED AS REQUIRED BY THE RATING OF THE WALL.
12. CONTRACTOR'S SPRINKLER DESIGN WILL BE SUBJECT TO AN INDEPENDENT REVIEW BY A CERTIFIED FIRE PROTECTION ENGINEER RETAINED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ANY REQUIRED CHANGES TO THE DESIGN AS IDENTIFIED BY THE OWNER'S FIRE PROTECTION ENGINEER AS NECESSARY FOR COMPLIANCE WITH SPECIFIED NFPA REQUIREMENTS.

DRAWING INDEX

Graphic Symbols

1/A101	EXTERIOR ELEVATION	X	WINDOW OPENING
X	INTERIOR ELEVATION SEE 400 SERIES SHEETS	101	DOOR OPENING
SIM 1 / A101	SECTION/DETAIL NUMBER DRAWING NUMBER	X / X	ROOM NAME ROOM NUMBER
X	EQUIPMENT TAG	XX.X-X	WALL TYPE SEE SHEET A600
X	COLUMN GRID	10'-8"	CEILING HEIGHT
X	NOTE	P-3	FINISH DESIGNATION

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

STATE OF OHIO
JOHN A. POE 6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: COVER SHEET

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: EK

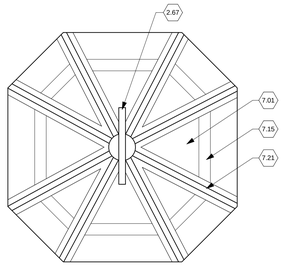
Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number

Drawing Number: G001

Dwg. of

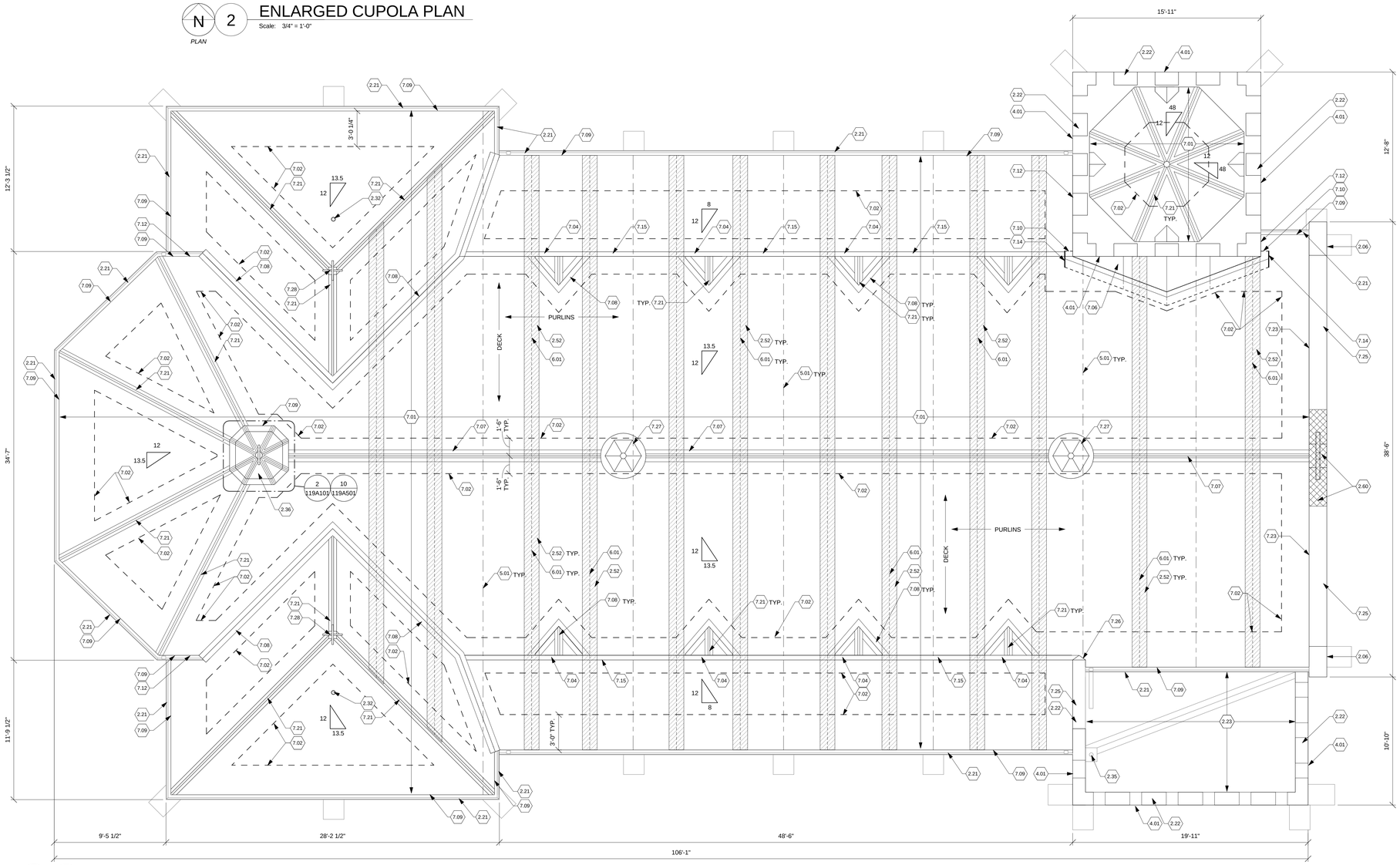
Office of Construction and Facilities Management
Department of Veterans Affairs



N 2 PLAN

ENLARGED CUPOLA PLAN

Scale: 3/4" = 1'-0"



N 1 PLAN

BUILDING 119 ROOF PLAN

Scale: 1/4" = 1'-0"

GENERAL NOTES

A. Existing roof is a dimensional asphalt shingle over building felt over 1 x 8 wood deck (not tongue and groove) at a 13.5 vertical to 12 horizontal slope unless otherwise noted. Remove existing shingles, felt, fasteners and other existing roofing components and accessories down to wood deck.

B. Remove existing base flashing (gutters, gutter fascias and counter flashing to remain), valley flashing, drip edge, pipe flashing, etc. All new sheet metal work will be copper unless otherwise noted. All details shall comply with requirements of SMACNA Architectural Sheet Metal Manual, Sixth Edition, unless otherwise indicated or specified.

C. Contractor shall inspect wood deck and notify COR of any defective decking. Upon review and direction of COR, defective deck shall be replaced with treated wood deck to match existing. Contractor shall include 200 s.f. of deck replacement in base bid (in addition to deck replacement required by structural work). Additional replacement to be approved by COR.

D. All demolished materials shall be removed into container at ground level via enclosed chute. Container shall be removed from site on a daily basis. Eave of existing roof is located at approximately 16-20' above grade. Eave of bell tower roof is approximately 36-40' above grade.

E. See specifications for description of types and locations of hazardous (Asbestos containing) materials and requirements for their removal.

F. All walkways / entrances to this or other adjacent buildings shall be protected with barricades including overhead protection. All building entrances / exits shall remain accessible at all times.

G. Existing materials to remain shall be protected and any materials damaged by contractor shall be repaired at no expense to the Owner.

H. Contractor shall include 1,000 linear feet of tuck pointing deteriorated masonry joints. Work is typically 15-30' above grade. See Pictures 8 and 9 on Sheet 119A201.

I. New copper elements shall be treated to provide finish to match brown / green copper petina.

KEY NOTES

2.06 Existing copper and steel fascia elements have separated from wall. Carefully remove element, reset lose / deteriorated masonry, and install blocking / grounds as required to reinstall fascia element. See Photo 1, 16 and 17 on Sheet 119A201.

2.21 Existing copper gutter and fascia to remain.

2.22 Existing copper parapet wall, coping and battlements to remain.

2.23 Existing low slope copper roof to remain.

2.32 Existing plumbing vent to remain. Remove existing roofing materials / flashing and prepare for new copper flashing per SMACNA Figure 4-20A.

2.35 Existing roof sumps to remain. Contractor shall fabricate and install new, removable, custom copper strainer basket over existing sump. See Photo 18 on Sheet 119A201. See Detail 11 on Sheet 119A501.

2.36 Existing cupola to remain. See Photo 2 on Sheet 119A201.

2.52 Remove and replace sections of existing 1" x 8" wood deck as required to install new bridging. See Structural Drawings.

2.60 Existing galvanized sheet metal / steel cross and portion of coping and fascia to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of missing elements and refinishing. Provide for separation of dis-similar metals where sheet metal ornamentation contacts copper ridge. See Photo 4, 5 and 15 on Sheet 119A201.

2.67 Existing sheet metal cross to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of damaged and / or decayed materials, replacement of missing elements and refinishing.

4.01 Tuck point masonry joints at top of wall adjacent to copper coping and battlements. See General Note H. See Photos 7, 8 and 9 on Sheet 119A201.

5.01 New tie rod inside church. See Structural Drawings.

6.01 Install new blocking between existing purlins. See Structural Drawings.

7.01 Install new shingles over roofing felt and ice and water shield.

7.02 Install new 36" wide ice and water shield at all valleys, ridge, roof edge, and side wall conditions. Lap ice and water shield with roofing felt in shingled fashion. At side wall conditions, turn ice and water shield a minimum of 8" up face of wall.

7.04 Install new copper apron flashing. See Detail 3 on Sheet 119A501.

7.06 Install new copper saddle. This area is a source of significant water penetration into building and extreem care shall be taken to properly detail and water proof this condition. See Detail 5 on Sheet 119A501. See Photo 12 on Sheet 119A201.

7.07 Install new Type A copper ridge flashing. See Detail 4 on Sheet 119A501.

7.08 Install new 'open' copper valley flashing per SMACNA Figure 4-10.

7.09 Install new copper drip edge per SMACNA Figure 4-23C. See Detail 8 on Sheet 119A501.

7.10 Wrap verticle leg of copper saddle flashing 8" around corner of masonry similar to SMACNA Figure 4-18 Detail 2.

7.12 Install new copper step flashing at existing masronry wall. Existing counter-flashing to remain. See Detail 6 on Sheet 119A501.

7.14 Install new 2" tall diverter at end of saddle flashing.

7.15 Install new copper roof slope transition flashing. See Detail 2 on Sheet 119A501.

7.21 Install new Type B Copper ridge flashing. See Detail 7 on Sheet 119A501.

7.23 Install new pointed galvanized steel step flashing. See Detail 1 on Sheet 119A501.

7.25 Remove existing copper coping. Remove any reminants of galvanized steel coping, flashing, step flashing, etc. Install new painted glavanized steel coping and step flashing. See Detail 1 on Sheet 119A501. See Photo 1 on Sheet 119A201.

7.26 Fabricate and install new custom copper saddle and join to existing materials to remain. This area is a source of significant water penetration into building and extreem care shall be taken to properly detail and water proof this condition. See Photo 13 on Sheet 119A201.

7.27 Remove existing galvanized steel ventilator. Contractor shall fabricate and install new copper ventilator to match existing. See Photo 3 on Sheet 119A201.

7.28 Existing sheet metal ornamentation to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of damaged and/or decayed materials, replacement of missing elements and refinishing. Provide for separation of dis-similar metals where sheet metal ornamentation contacts copper ridge. See Photos 10 and 11 on Sheet 119A201.

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

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RDC/ JOHN POE ARCHITECTS

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2193
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 119 ROOF PLAN

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 119

Drawing Number: 119A101

Dwg. of

Date: 1/30/2012 | Checked: TH | Drawn: EK

Office of Construction and Facilities Management
Department of Veterans Affairs

18 DRAINAGE SUMP

Scale: 12" = 1'-0"

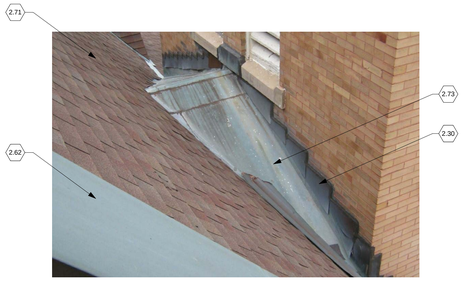
17 FASCIA

16 FASCIA

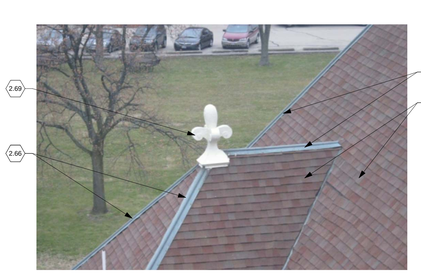
15 BUILDING 119

14 BUIDLING 119

13 CHURCH



12 SADDLE



11 FLEUR DE LIS

10 FLEUR DE LIS

9 TUCK POINTING

8 TUCK POINTING

7 TUCK POINTING

6 FASCIA

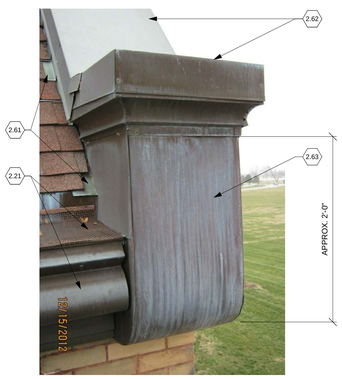
Scale: 12" = 1'-0"

5 CROSS

4 CROSS

3 VENT

2 CUPOLA



1 COPING

Scale: 12" = 1'-0"

GENERAL NOTES

A. Photographs and notes are provided to illustrate existing conditions. See specifications, drawings, and details for additional information and requirements.

B. Contractor shall include 1,000 linear feet of tuck pointing of existing deteriorated masonry joints. In some locations it may be necessary to relay loose brick.

KEY NOTES

2.21 Existing copper gutter and fascia to remain.

2.29 Existing copper / metal clad battlements to remain.

2.30 Existing copper counter-flashing to remain.

2.31 Existing copper roof and wall panels to remain. Contractor shall fabricate and install new, removable, custom copper strainer basket over existing drainage sump. See Detail 11 on Sheet 119A501.

2.61 Existing copper step flashing to be removed. Install new painted galvanized steel step flashing. See Detail 1 on Sheet 119A501.

2.62 Existing copper coping / fascia attached to existing sheet metal coping. Remove both copings / fascias and install new painted galvanized steel coping / fascia. Contractor shall verify existing profile and dimensions found at base of cross and configure new to match. See Note 2.63 below. See Detail 1 on Sheet 119A501.

2.63 Existing copper fascia / bracket detail attached to existing sheet metal. Remove both fascia / bracket details and install new painted galvanized steel fascia / bracket detail. Contractor shall verify existing profile and dimensions and configure new to match. Salvage and relay several loose and fallen brick behind sheet metal. Provide new blocking, similar to Detail 1 on Sheet 119A501, as required to support and anchor new work. Provide for separation of dis-simular metals where fascia/bracket contacts copper gutter.

2.64 Existing copper accent detail attached to existing sheet metal. Remove both accent details and install new painted steel accent detail. Contractor shall verify existing profile and dimensions and configure new to match. Provide new blocking, similar to Detail 1 on Sheet 119A501, as required to support and anchor new work. Typical of 4 locations on east elevation.

2.65 Existing Type A, copper ridge trim to be removed. Install new Type A copper ridge trim. See Detail 4 on Sheet 119A501.

2.66 Existing Type B, copper ridge trim to be removed. Install new Type B copper ridge trim. See Detail 7 on Sheet 119A501.

2.67 Existing sheet metal cross to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of damaged and / or decayed materials, replacement of missing elements and refinishing.

2.68 Existing sheet metal cross, base, coping and pediment to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of damaged and/or decayed materials, replacement of missing elements and refinishing. Restoration company shall add structural reinforcement within cross and shall repair or provide new anchorage as required to reattach cross to top of wall. Provide for separation of dis-simular metals where cross / coping assembly contacts copper ridge.

2.69 Existing sheet metal ornamentation to be removed, restored / repaired and reinstalled by certified restoration company. Restoration / repair shall include removal of paint, repair / replacement of damaged and/or decayed materials, replacement of missing elements and refinishing. Provide for separation of dis-simular metals where sheet metal ornamentation contacts copper ridge. Typical of 2 locations at west end of church.

2.70 Remove existing galvanized steel ventilator. Contractor shall fabricate and install new copper ventilator to match existing.

2.71 Existing roof to be removed. Install new synthetic slate shingles.

2.72 Existing wood clad Copula. Remove wood trim, sills, panels, soffits and roof deck. Install new wood trim, sills, panels, soffits and roof deck. See Details 9 and 10 on Sheet 119A501.

2.73 Existing copper saddle to be removed. Install new copper saddle. This area is a source of significant water penetration into the building and extreme care shall be taken to properly detail and waterproof this condition. See Detail 5 on Sheet 119A501.

2.74 Existing copper saddle to be removed. Install new copper saddle and join / solder to existing material to remain. This area is a source of significant water penetration into the building and extreme care shall be taken to properly detail and waterproof this condition.

4.03 Tuck point existing masonry joints around existing copper / metal clad battlements.

7.32 Paint upper, metal clad battlements to match copper clad battlements.

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

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ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 119 EXISTING CONDITIONS PHOTOGRAPHS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: EK

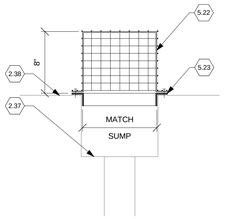
Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 119

Drawing Number: 119A201

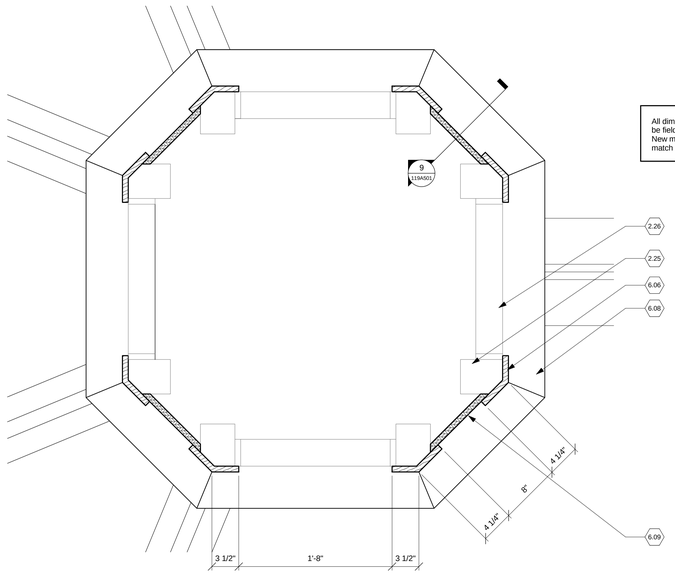
Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs



11 SUMP DETAIL

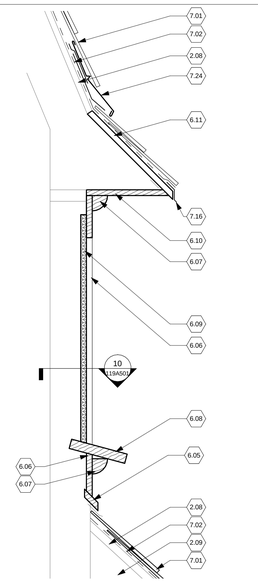
Scale: 1 1/2" = 1'-0"



All dimensions to be field verified. New materials to match existing.

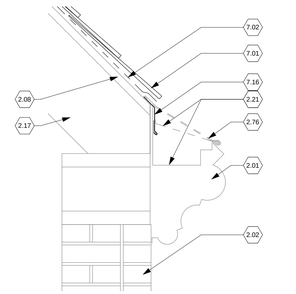
10 ENLARGED CUPOLA PLAN

Scale: 1 1/2" = 1'-0"



9 SECTION @ CUPOLA

Scale: 1 1/2" = 1'-0"

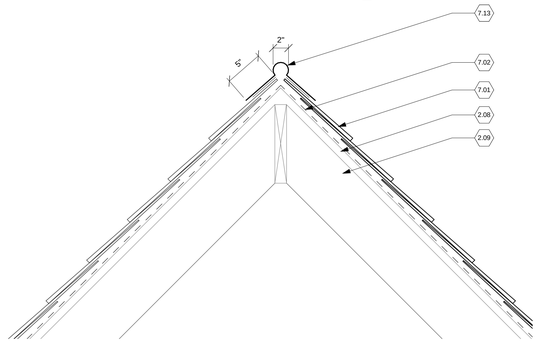


8 DRIP EDGE / GUTTER

Scale: 1 1/2" = 1'-0"

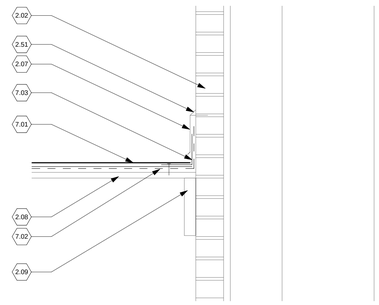
KEY NOTES

2.01	Existing cornice to remain.
2.02	Existing masonry to remain.
2.07	Existing copper counter-flashing to remain. Do not pull away from wall when installing underlayment and step flashing.
2.08	Existing 1" x 8" wood deck to remain.
2.09	Existing wood framing to remain.
2.16	Existing purlins to remain.
2.17	Existing heavy timber truss to remain.
2.18	Existing sill flashing to remain.
2.21	Existing copper gutter and fascia to remain.
2.25	Existing wood structure to remain.
2.26	Existing wood louver to reamin. Scrape and paint to match existing color.
2.27	Existing wood blocking / knee wall to remain.
2.37	Existing copper sump and drain to remain.
2.38	Existing copper roof to remain.
2.51	Remove existing sealant and install new along top edge of existing counter-flashing.
2.76	Remove and reinstall existing strap hangers and gutter guard as required to install new roofing materials.
5.22	1/4" x 1/4" copper mesh formed into strainer basket and attached to base frame.
5.23	1 1/2" x 1 1/2" x 1/8" copper angle strainer basket base. Fabricate base to match / nest into roof slopes and sit inside sump as shown.
6.04	See Structural Drawings for partial deck removal and installation of bridging/blocking between purlins.
6.05	Install new painted 1x wood.
6.06	Install new painted 1x wood trim.
6.07	Install new 2" quarter round molding.
6.08	Install new painted 5/4" wood sil.
6.09	Install new painted plywood panel.
6.10	Install new painted solid 1x wood soffit.
6.11	Install new solid 1x wood roof deck.
6.12	Install new continuous wood blocking as required to support step flashing.
6.13	Install continuous wood blocking as required to support painted galvanized steel fascia. Anchor to existing wood deck, purlins and interior wyths of masonry wall.
7.01	Install new shingles over roofing felt and ice and water shield.
7.02	Install new 36" wide ice and water shield at all valleys, ridge, roof edge, and side wall conditions. Lap ice and water shield with roofing felt in shingled fashion. At side wall conditions, turn ice and water shield a minimum of 8" up face of wall.
7.03	Install new 4" x 4" painted galvanized steel step flashing at each course of shingles. Extend top edge of flashing 2" past lower edge of next shingle.
7.05	Install new Ice and water shield underlayment. Continue under entire saddle. Turn underlayment 4" minimum up face of verticle surfaces.
7.11	Saddle ridge beyond.
7.13	Install new Type B copper ridge trim. Close exposed end of ridge flashing with 2" diameter copper face soldered to ridge flashing.
7.16	Install new copper drip edge.
7.17	Install new continuous cleat.
7.18	Install new painted galvanized steel coping. Profile to match existing.
7.19	Install new copper ridge flashing over continuous cleat each side.
7.22	Install new apron / flashing per SMACNA Figure 4.18A. Align with flashing in Detail 2 on sheet 119A501.
7.24	Install new copper apron / flashing per SMACNA Figure 4.18A.
7.33	Install new painted galvanized steel fascia elements. Profile to match existing. See Photo 1 and 6 on Sheet 119A201.



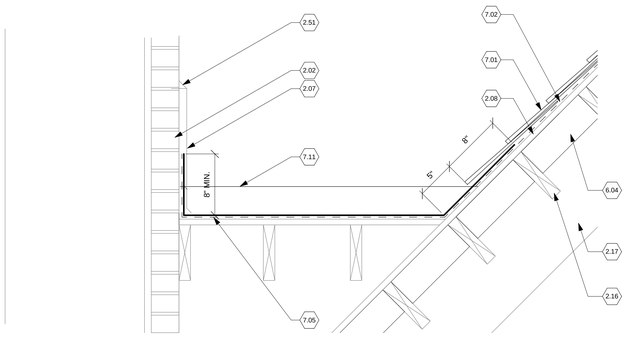
7 TYPE B RIDGE FLASHING

Scale: 1 1/2" = 1'-0"



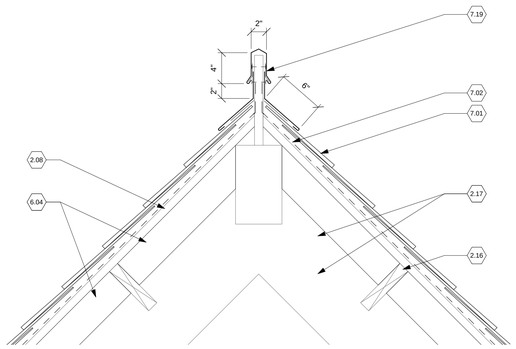
6 MASONRY STEP FLASHING

Scale: 1 1/2" = 1'-0"



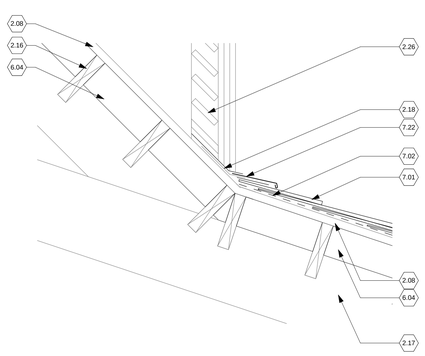
5 SADDLE

Scale: 1 1/2" = 1'-0"



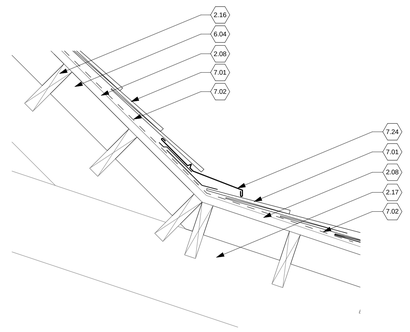
4 TYPE A RIDGE FLASHING

Scale: 1 1/2" = 1'-0"



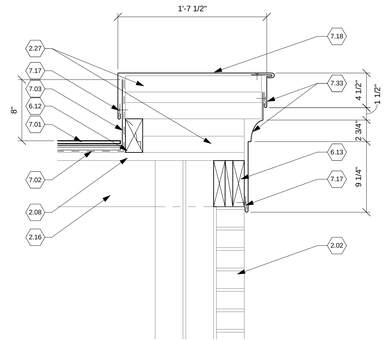
3 DORMER APRON FLASHING

Scale: 1 1/2" = 1'-0"



2 ROOF SLOPE TRANSITION FLASHING

Scale: 1 1/2" = 1'-0"



1 STEP FLASHING / COPING

Scale: 1 1/2" = 1'-0"

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

PROGRESS PRINT
NOT FOR CONSTRUCTION
1/31/2013 10:50:47 AM
RDC/ JOHN POE ARCHITECTS

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2120
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 119 ROOF DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: EK

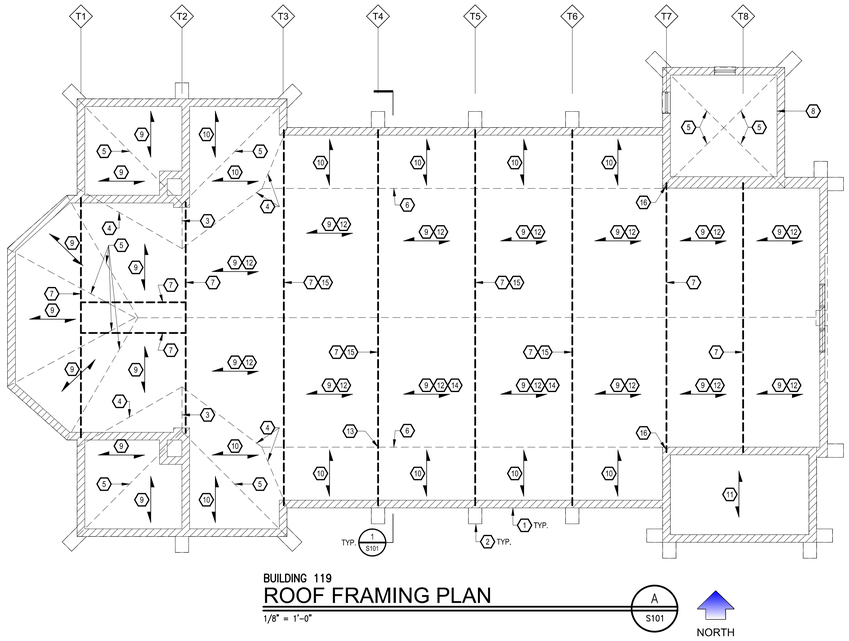
Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 119

Drawing Number: 119A501

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs



BUILDING 119

ROOF FRAMING PLAN

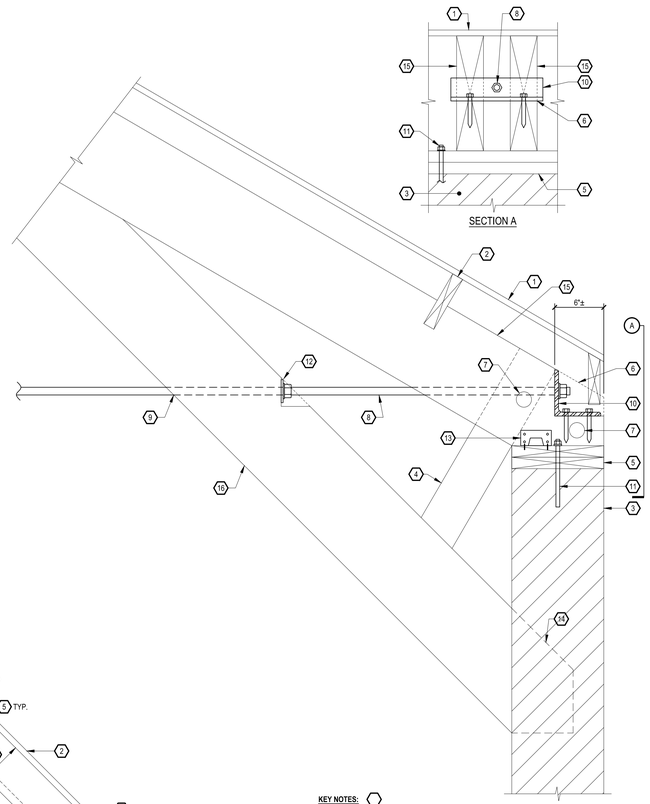
1/8" = 1'-0"

A S101

NORTH

KEY NOTES:

1. EXISTING MASONRY BEARING WALLS.
2. EXISTING MASONRY WING WALL/BUTTRESS.
3. EXISTING RIDGE LINE.
4. EXISTING VALLEY LINE.
5. EXISTING HIP LINE.
6. EXISTING BREAK IN ROOF PITCH.
7. EXISTING ROOF TRUSS.
8. HIGH ROOF AT BELL TOWER (NO WORK).
9. EXISTING 2x8 PURLINS AT 24" O.C.
10. EXISTING 2x8 RAFTERS AT 24" O.C, OVERFRAMED ON RAFTERS BELOW.
11. EXISTING 2x8 RAFTERS AT 24" O.C. ON LOW SLOPE ROOF (NO WORK).
12. INSTALL (2) ROWS OF FULL DEPTH BLOCKING EQUALLY SPACED BETWEEN THE TRUSSES. BLOCKING TO EXTEND FROM WALL TO RIDGE. REMOVE EXISTING SHEATHING AS REQUIRED TO INSTALL BLOCKING. REFER TO DETAIL 2 ON DRAWING S101.
13. REPAIR DAMAGED TRUSS JOINT. INSTALL 3/8"x10"x24" PLATE EACH FACE WITH (10) 3/4" DIA. THRU BOLTS. FIELD VERIFY DIMENSIONS AND SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION. REMOVE AND REPAIR PLASTER CEILING AS REQUIRED FOR INSTALLATION. PAINT TO MATCH EXISTING EXPOSED TRUSS CHORD.
14. REPAIR (4) DAMAGED JOISTS THIS BAY BY SISTERING NEW 2x8 TO EXISTING JOIST. ATTACH WITH (2) 16d SINKERS AT 16" O.C.
15. INSTALL 1 1/8" DIA. TIE ROD. REFER TO DETAILS 1 AND 3 ON DRAWING S101. ROD TO HAVE TURNBUCKLE AT CENTER. TENSION ROD TO ACHIEVE 1" MAXIMUM SAG AT CENTERLINE.
16. INSPECT TRUSS BEARING AT EXISTING LEAK FOR SIGNS OF DETERIORATION. ASSUME REMOVAL AND REPLACEMENT OF EXISTING INTERIOR TRIM AND PORTION OF CEILING TO ALLOW FOR INSPECTION BY ENGINEER DURING CONSTRUCTION. CEILING TO REMAIN OPEN AS REQUIRED TO ALLOW AREA TO DRY THOROUGHLY.



SECTION A

KEY NOTES:

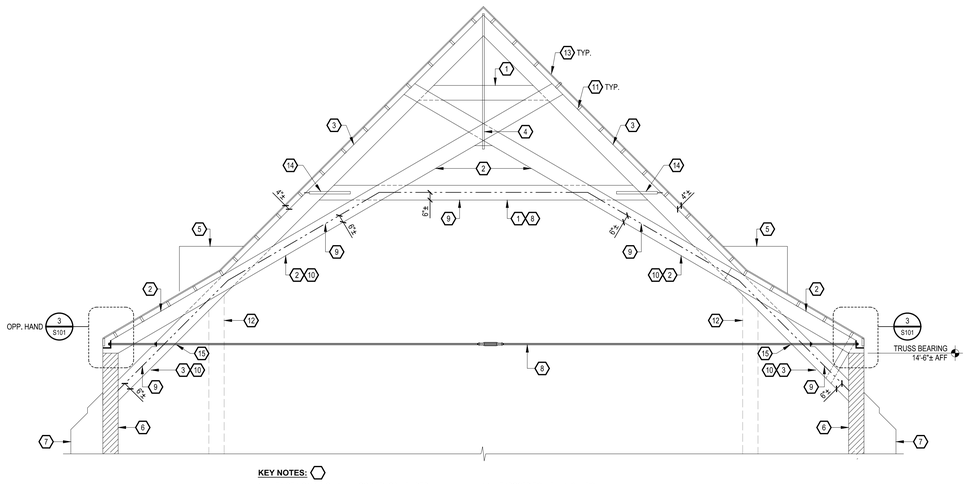
1. EXISTING 1x ROOF SHEATHING. REMOVE AND REPLACE AS REQUIRED FOR INSTALLATION OF PLATE AND ROD.
2. EXISTING 2x8 RAFTER AT +/- 24" O.C.
3. EXISTING BRICK MASONRY BEARING WALL.
4. EXISTING CEILING SUPPORT MEMBER.
5. EXISTING DOUBLE TOP PLATE.
6. CUT EXISTING TRUSS CHORD TO FULLY FIT BOTH FACES OF ANGLE.
7. EXISTING BOLT.
8. NEW 1⅛" DIA ROD WITH TURNBUCKLE AT CENTERLINE OF CHURCH. END 60" OF ROD TO BE THREADED.
9. INSTALL 1⅛" DIA ROD BY DRILLING 1⅛" DIA HOLE THROUGH EXPOSED INTERIOR TRUSS CHORD EACH END. PROVIDE NUT EACH END AT NEW ANGLE STOP. TENSION ROD TO PROVIDE A MAXIMUM SAG OF 1" AT CENTERLINE, FOUL THREADS TO PREVENT LOOSENING WHILE STILL ALLOWING FUTURE TIGHTENING OF THE ROD.
10. L6x6x1/2 x 12" LONG, HOLD AS CLOSE TO WALL AS POSSIBLE. PROVIDE (2) 1/2" DIA x 4" LONG LAG SCREWS INTO EACH MEMBER SPACED AT 3" O.C.
11. 1/2" DIA. ASTM A193 B7 THREADED ROD AT 24" O.C. WITH 5" MIN. EMBEDMENT CENTERED IN EXISTING MASONRY WITH HILTI HIY-HY 150 MAX EPOXY (OR EQUIVALENT).
12. NOTCH BACK SIDE OF MEMBER TO RECEIVE 1/4"x3"x3" PLATE AND NUT. FINGER TIGHTEN AFTER ROD IS COMPLETELY TENSIONED.
13. INSTALL NEW SIMPSON HGAM10 (OR EQUIVALENT) CENTERED EACH SIDE OF MEMBER.
14. VERIFY LOWER TRUSS MEMBER BEARS WITHIN WALL. IF FIELD CONDITION IS NOT AS SHOWN REPORT DISCREPANCY TO ENGINEER IMMEDIATELY.
15. EXISTING NOMINAL (2) 4x12 WOOD TRUSS MEMBER.
16. EXISTING NOMINAL 8x12 WOOD TRUSS MEMBER.

TRUSS BEARING

DETAIL

1-1/2" = 1'-0"

3 S101



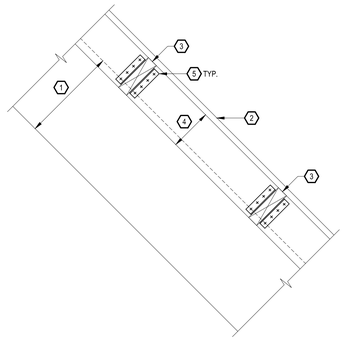
KEY NOTES:

1. EXISTING 8x8 NOMINAL WOOD TRUSS MEMBER.
2. EXISTING (2) 4x12 NOMINAL WOOD TRUSS MEMBER.
3. EXISTING 8x12 NOMINAL WOOD TRUSS MEMBER.
4. EXISTING 1⅛" DIA HANGER ROD.
5. EXISTING ROOF DORMERS.
6. EXISTING MASONRY BEARING WALL.
7. EXISTING MASONRY BUTTRESS.
8. NEW 1⅛" DIA ROD WITH TURNBUCKLE.
9. LINE OF EXISTING PLASTER CEILING SUPPORTED ON 2x8 CEILING JOISTS. DO NOT DAMAGE.
10. EXPOSED TO VIEW IN CHURCH.
11. EXISTING NOMINAL 2x8 RAFTERS AT 24" O.C.
12. LINE OF EXISTING BEARING WALL AT REAR OF CHURCH.
13. EXISTING NOMINAL 1x ROOF SHEATHING.
14. EXISTING STEEL STRAP TIE. RESET BEARING PLATE INTO EXISTING NOTCH AND RETIGHTEN NUTS.
15. DRILL THROUGH EXPOSED TRUSS CHORD TO INSTALL NEW ROD.

SECTION

1/4" = 1'-0"

1 S101



KEY NOTES:

1. EXISTING TRUSS CHORD.
2. EXISTING 1x ROOF SHEATHING. REMOVE AND REPLACE AS REQUIRED TO INSTALL BLOCKING.
3. EXISTING 2x8 RAFTER AT 24"O.C.
4. NEW FULL DEPTH BLOCKING. INSTALL (2) ROWS EQUALLY SPACED BETWEEN EVERY TRUSS.
5. SIMPSON L70 ANGLE CONNECTOR EACH END OF BLOCKING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FULL DEPTH BLOCKING

DETAIL

1-1/2" = 1'-0"

2 S101

GENERAL STRUCTURAL NOTES:

A. CODES AND SPECIFICATIONS

1. INTERNATIONAL BUILDING CODE, 2006.
2. ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
3. ACI 301-05 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
4. AISC 303-05 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
5. ANSI/AWS D1.1 STRUCTURAL WELDING CODE - STEEL

B. STRUCTURAL STEEL

1. ROLLED PLATES AND SHAPES: ASTM A36 (Fy = 36 KSI)
2. ANCHOR RODS: ASTM F1554 (Fy = 36 KSI)

C. COORDINATION AND CONSTRUCTION

1. FIELD VERIFY EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT FABRICATION PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND FABRICATION.
2. STRUCTURAL FRAMING PLANS ARE TYPICALLY DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE LEVEL SHOWN.
3. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT
4. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
5. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

D. DESIGN LOADS

1. ROOF LOAD:
   ROOF LIVE LOAD, MINIMUM: 20 PSF - (UNREDUCED)
   CEILING AND MECHANICAL ALLOWANCE: 10 PSF
   ROOFING AND BALLAST ALLOWANCE: 20 PSF

E. UTILITIES

1. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES, AND OWNER. EXCAVATE OR SURVEY TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE THEIR UNINTERRUPTED FUNCTION.
2. ADEQUATELY PROTECT UTILITIES FROM DAMAGE. WHERE ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, CONTRACTOR SHALL IMMEDIATELY NOTIFY CTOR.

F. WOOD FRAMING

1. WOOD CONSTRUCTION SHALL COMPLY WITH AMERICAN FOREST & PAPER ASSOCIATION ASD MANUAL FOR ENGINEERING WOOD CONSTRUCTION INCLUDING APPLICABLE ASD SUPLEMENTS AND GUIDELINES CONSTRUCTION.
2. MATERIALS:
   a. LUMBER STANDARD: COMPLY WITH DOC PS 20
   b. BLOCKING: SOUTHERN YELLOW PINE NO. 2 OR BETTER
3. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NO BE LESS THAN THAT INDICATED IN TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE.
4. PROVIDE BRIDGING TO MATCH EXISTING BRIDGING LINES.
5. PROPER ERECTION BRACING AND SHORING SHALL BE PROVIDED TO STABILIZE THE STRUCTURE AND ITS COMPONENTS UNTIL ALL CONNECTIONS HAVE BEEN MADE.

G. CONCRETE

1. CONCRETE STRENGTHS:
   a. TYPICAL CONCRETE UNLESS NOTED OTHERWISE: 4500 PSI AE
2. PROVIDE 3/4" BEVELS AT CORNERS OF ALL EXPOSED EDGES OF EXPOSED BEAMS AND SLABS, AND TOP EDGES AND CORNERS OF EXPOSED WALLS.
3. JOINTS NOT INDICATED ON STRUCTURAL DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY STRUCTURAL ENGINEER.
4. PLACE NO PERMANENT LOAD, SUCH AS MASONRY WALLS, ON SUPPORTED SLABS UNTIL CONCRETE HAS REACHED SPECIFIED STRENGTH AND ALL SHORING HAS BEEN REMOVED.
5. PLACE NO OPENINGS, SLEEVES, INSERTS, ETC., IN CONCRETE WORK UNLESS CRITERIA INDICATED ON STRUCTURAL DRAWINGS IS MET, OR IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
6. CONCRETE CONSTRUCTION TOLERANCES ARE AS SHOWN IN THE PROJECT SPECIFICATIONS.

H. REINFORCING STEEL

1. ALL REINFORCING: 60 KSI YIELD, EPOXY COATED
2. PROVIDE TENSION SPLICES UNLESS OTHERWISE NOTED.
3. CLEARANCES BETWEEN REINFORCING BARS AND CONCRETE SURFACES SHALL BE ACI MINIMUM UNLESS OTHERWISE NOTED.

1	FOR BID	1/30/13
Revisions		Date

CONSULTANTS:

THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
Fax: 513.241.2981
www.thpltd.com

STATE OF OHIO
FRANK JOSEPH ELLERT
E-50492
REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 119 ROOF FRAMING PLAN AND DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: JANUARY 30, 2013 | Checked: FJE | Drawn: SET

Project No. | VA Project No. 552-13-102 | JPA Project No. 12015.00

Building Number: 119

Drawing Number: 119-S101

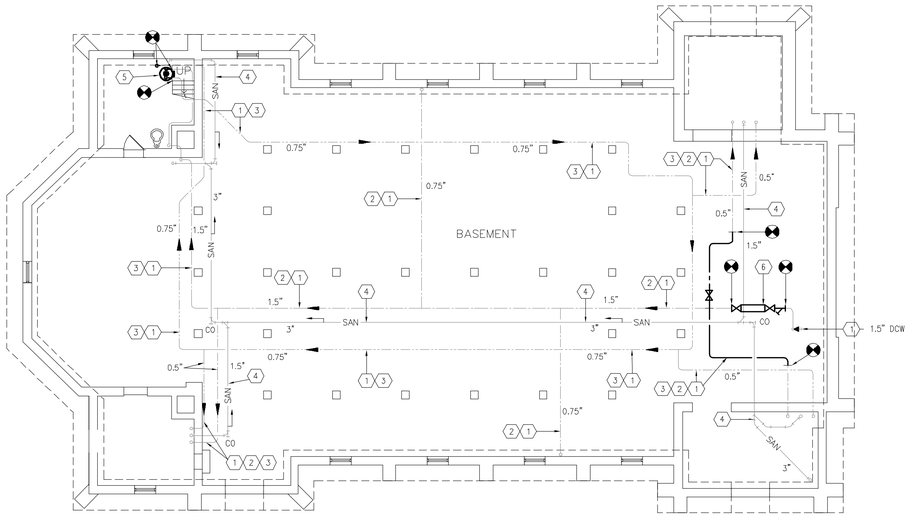
Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

PLAN NOTES

1. EXISTING TO REMAIN.
2. PROVIDE INSULATION FOR EXISTING UN-INSULATED DCW PIPING. PROVIDE NEW PIPE HANGERS FOR EXISTING DCW PIPING.
3. RE-INSULATE EXISTING DHW PIPING AND PROVIDE NEW PIPE HANGERS.
4. PROVIDE NEW PIPE HANGERS FOR EXISTING SANITARY PIPING.
5. PROVIDE NEW ELECTRIC DOMESTIC WATER HEATER AND EXPANSION TANK PER DETAIL A ON DRAWING P001.
6. PROVIDE NEW 1.5" SIZE REDUCED PRESSURE TYPE BACKFLOW PREVENTER.



BASEMENT PLAN - NEW WORK
SCALE: 1/8"=1'-0"

CONSULTANTS:
Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
HEAPY PROJECT No.: 2012-04021 FIRM LICENSE No.: 01528

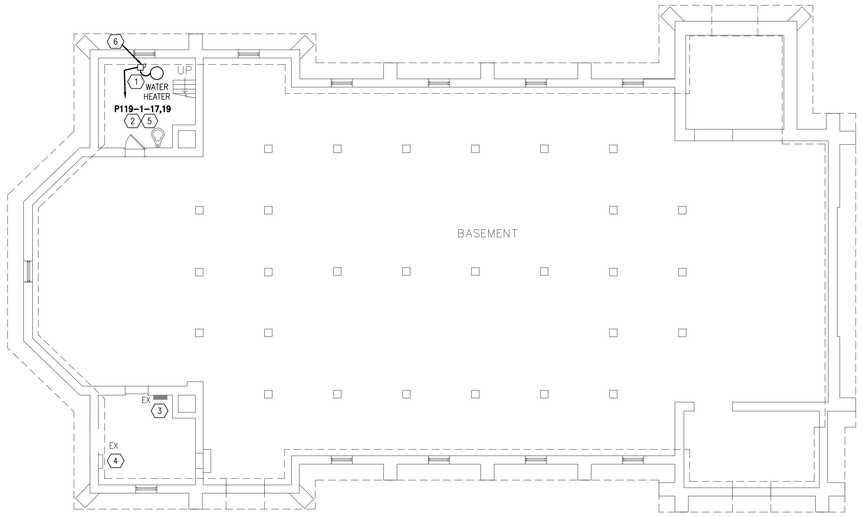
STATE OF OHIO — JOHN A. BLACK 49341 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:
JOHN POE ARCHITECTS
113 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 451 3290 PHONE
937 451 0293 FAX
jpa@johnpoe.com

Drawing Title: BASEMENT PLAN - NEW WORK
Approved: Project Director
Project Title: STABILIZE HISTORIC BUILDING
Location: Dayton VAMC
Date: 01/30/2013 | Checked: RLT | Drawn: DPB
Project No.: VA Project No. 552-13-102; JHA Project No. 12015.00
Building Number: 119
Drawing Number: 119PP100
Office of Construction and Facilities Management
Department of Veterans Affairs

Revisions | Date

PROJECT NO. 2012-04021 HEAPY ENGINEERING DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY
PLOTTED BY: dpburton PLOTTED: DATE: January 30, 2013



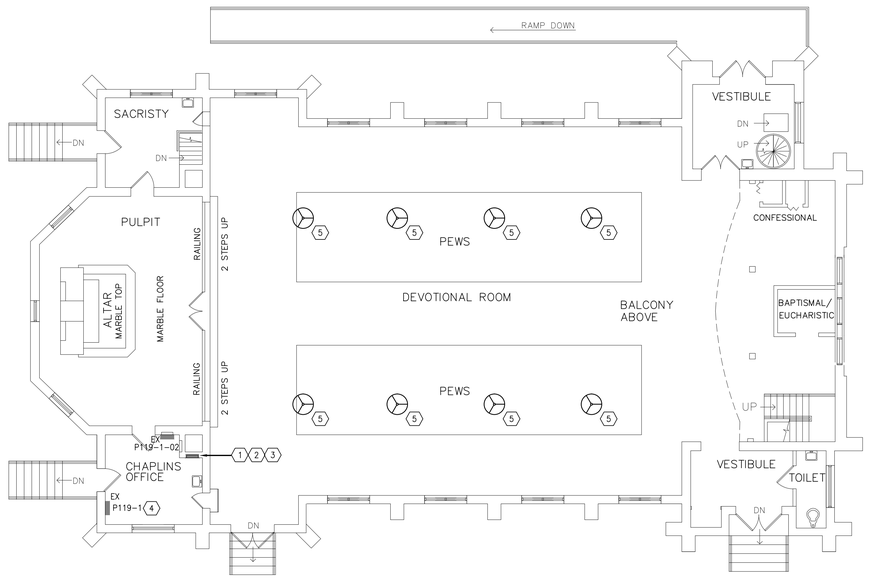
ELECTRICAL BASEMENT FLOOR POWER PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL, STATE AUTHORITIES HAVING JURISDICTION.

NOTES – BASEMENT

1. 30A NON-FUSED DISCONNECT. 240V.
2. 2#10 THHN, #10 GROUND, 3/4"C.
3. PROVIDE BREAKER BLANK INSERTS (4) FOR OPEN SPACES IN PANEL.
4. PROVIDE A BLANK COVER FOR JUNCTION BOX. APPROXIMATELY 12" X 18". INSTALL A BLANK LR COVER ON CONDULET NEAR JUNCTION BOX.
5. REMOVE EXISTING CIRCUIT WIRING FOR WATER HEATER. DISCONNECT WATER HEATER.
6. REMOVE AND DEMO EXISTING DISCONNECT SWITCH.



ELECTRICAL FIRST FLOOR POWER PLAN
SCALE: 1/8"=1'-0"

NOTES – FIRST FLOOR

1. REMOVE EXISTING PANEL INTERIOR.
2. RELOCATE REMAINING 20A CIRCUIT TO PANEL P119-1-02. USE SPARE BREAKER #17 IN THIS PANEL. SPICE IN TUB AND EXTENT TO PANEL. VERIFY IF THIS CIRCUIT IS STILL IN USE. CIRCUIT MARKED AS CHRISTMAS LIGHTS. DISCONNECT AND REMOVE OLE PANEL FEEDER BACK TO SOURCE.
3. DISCARD EXISTING PANEL COVER. PROVIDE A BLANK SCREW COVER TO FIT TUB. ALLOW 1" FLANGE OVERLAP. APPROXIMATELY 24" SQUARE. PAINT TO MATCH WALL COLOR.
4. INSTALL A 30/2A CIRCUIT BREAKER FOR THE NEW WATER HEATER.
5. EXISTING CHANDELIER. RAISE FIXTURE BY REMOVING ENOUGH CHAIN AND WIRE TO RAISE FIXTURE BOTTOM 12" ABOVE THE NEW WALL SUPPORT RODS.

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
HEAPY PROJECT No.: 2012-04021 FIRM LICENSE No.: 01528

STATE OF OHIO – JOHN A. BLACK 48341 – REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: ELECTRICAL POWER PLAN - FLOOR PLAN

Approved: Project Director

Project Title: STABILIZE HISTORIC BUILDING

Location: Dayton VAMC

Date: 01/30/2013 | Checked: MSG | Drawn: JB

Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: .

Drawing Number: 119EP100

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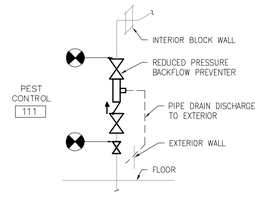
Office of Construction and Facilities Management
Department of Veterans Affairs

PROJECT NO. 2012-04021
HEAPY ENGINEERING
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY

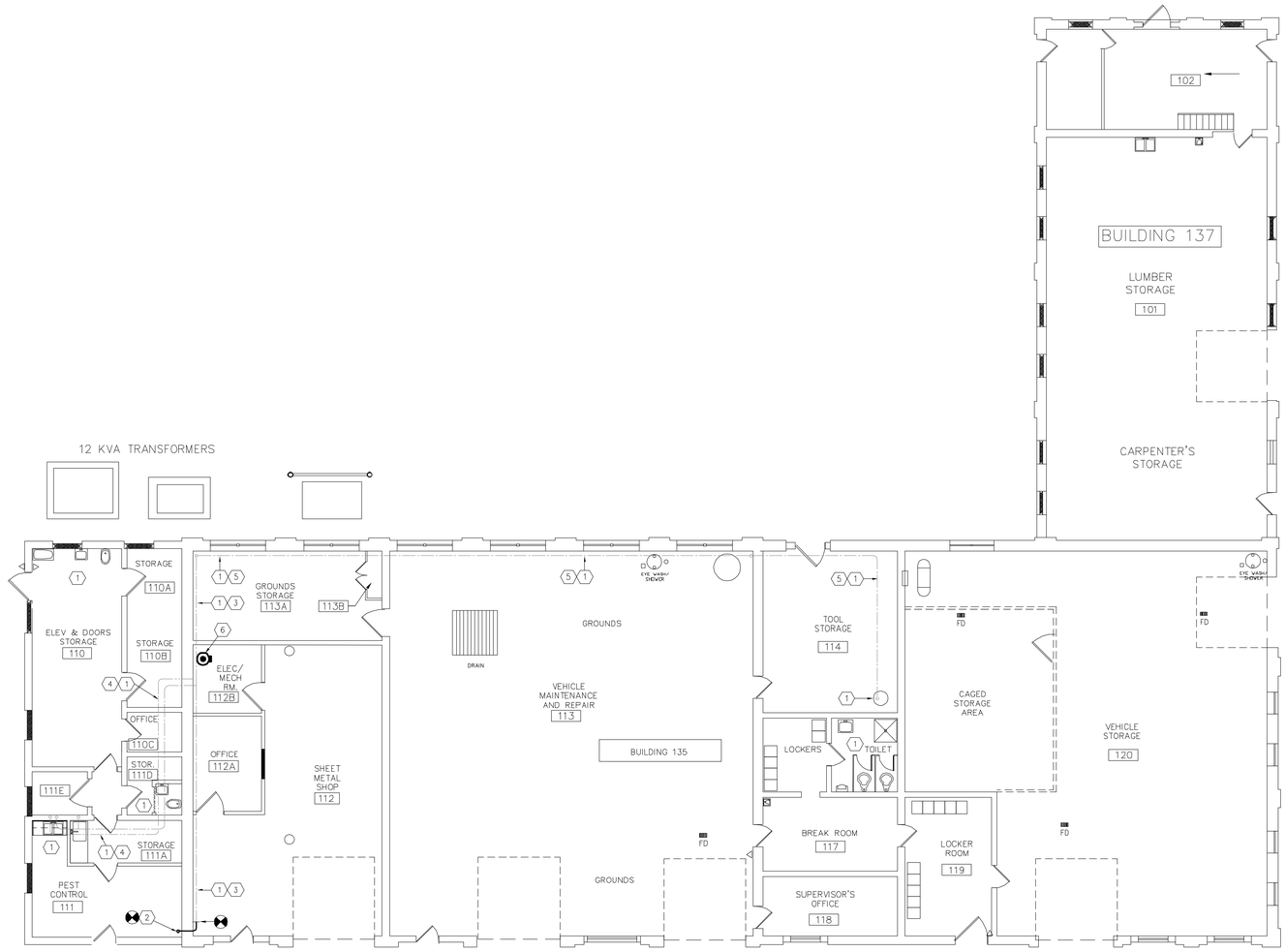
PLOTTED BY: jbontrager
PLOTTED DATE: January 31, 2013

PLAN NOTES

1. EXISTING TO REMAIN.
2. CONNECT TO EXISTING WATER SERVICE SUPPLY RISER NEAR FLOOR OF PEST CONTROL ROOM #111 AND PROVIDE NEW REDUCED BACKFLOW PREVENTER. REFER TO DETAIL A/135PP101.
3. RE-INSULATE EXISTING DCW PIPING AND PROVIDE NEW PIPE HANGERS TO SECURELY ANCHOR PIPING.
4. RE-INSULATE EXISTING DCW AND DHW PIPING AND PROVIDE NEW PIPE NGERS TO SECURELY ANCHOR PIPING.
5. INSULATE EXISTING DCW PIPING AND PROVIDE NEW HANGERS TO SECURELY ANCHOR PIPING.
6. NEW ELECTRIC DOMESTIC WATER HEATER AND THERMAL EXPANSION TANK. REFER TO DETAIL B/P001.



A 135PP101 SCALE: NONE **BLDG. 135 WATER SERVICE**



PARTIAL FLOOR PLAN - NEW WORK
SCALE: 1/8"=1'-0"

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
HEAPY PROJECT No.: 2012-04021 FIRM LICENSE No.: 01528

STATE OF OHIO · JOHN A. BLACK · 49341 · REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
115 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 451 3290 PHONE
937 451 0260 FAX
jpa@johnpoe.com

Drawing Title: PARTIAL FLOOR PLAN - NEW WORK

Approved: Project Director

Project Title: STABILIZE HISTORIC BUILDING

Location: Dayton VAMC

Date: 01/30/2013 | Checked: RLT | Drawn: DPB

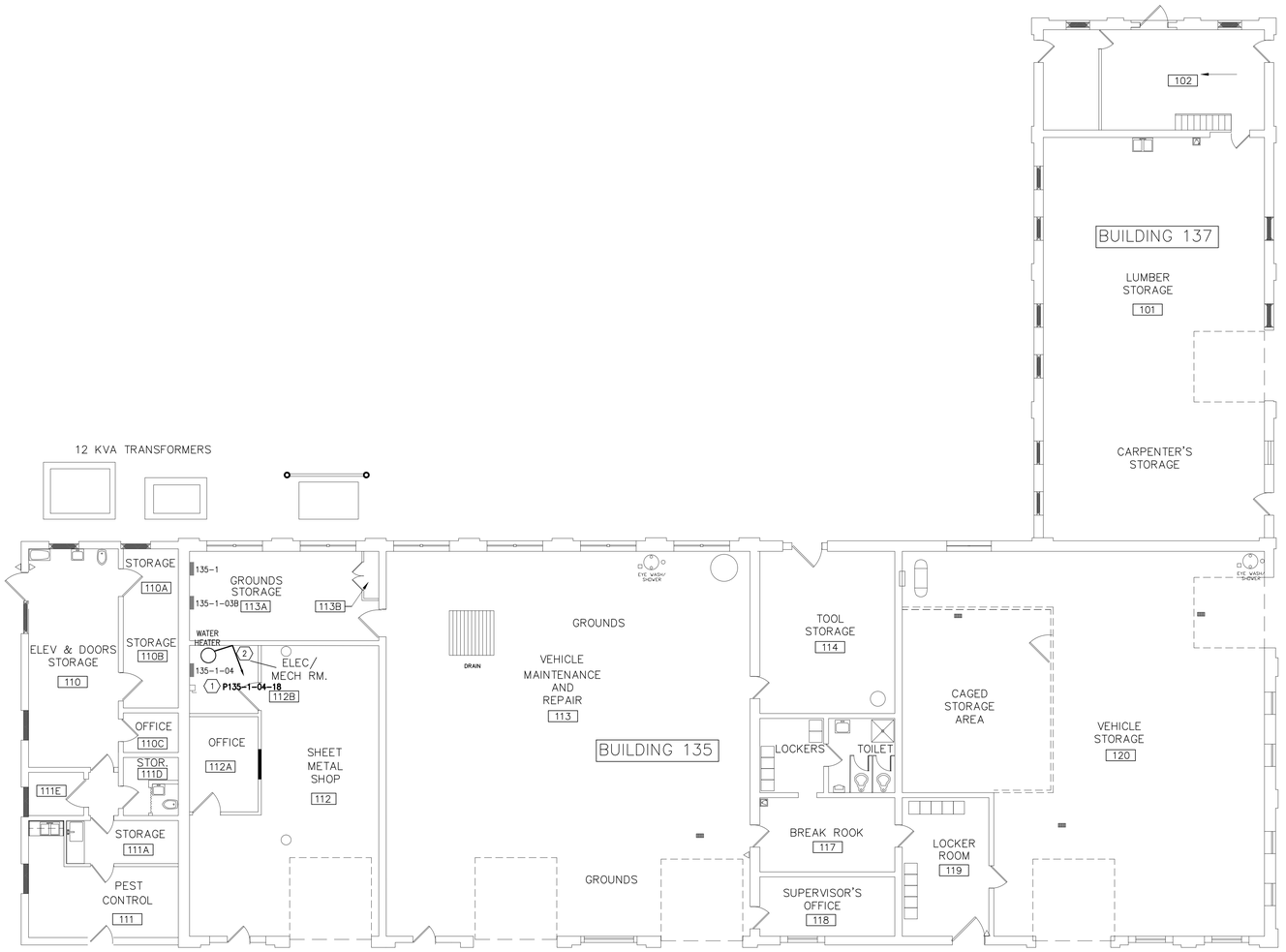
Project No.: VA Project No. 552-13-102 JPA Project No. 12015.00

Building Number: 135

Drawing Number: 135PP101

Office of Construction and Facilities Management
Department of Veterans Affairs

PROJECT NO. ———— PLOTTED BY: dpburton
HEAPY ENGINEERING PLOT DATE: January 30, 2013
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY



ELECTRICAL FIRST FLOOR POWER PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL, STATE AUTHORITIES HAVING JURISDICTION.

NOTES

1. CONNECT NEW WATER HEATER TO EXISTING 30/2A CIRCUIT BREAKER. DISCONNECT AND REMOVE EXISTING CIRCUIT TO OLD WATER HEATER.
2. 2#10 THHN, #10 GROUND, 3/4" C.

NOTE: EXISTING LOADS ARE ESTIMATED.

PANEL: P135-1-04 (EXISTING)			MOUNTING: SURFACE				
CONN. LOAD: 22.1 KVA			DEMAND LOAD: 11.3 KVA (31A)				
MAINS: 100A MB			VOLTAGE: 208Y/120V-3PH-4W				
REMARKS	KVA	BKR.	CKT. NO.	BKR.	KVA	REMARKS	
N WALL	.6-R	20/1	1	2	20/1	1.4-R	REC EAST
O OFFICE	.6-R		3	4		1.4-R	REC MID
O UTILITY	.6-R		5	6		1.4-R	REC WEST
			7	8		1.0-L	LIGHTS
TS N BAY	1.4-L		9	10		.8-R	REC OFF
			11	12		.8-R	REC OFF
AIR COMP	1.4-M	20/2	13	14	20/2	1.4-M	
			15	16			
A/C	1.2-M	20/1	17	18	30/2	4.5-H	WTR HTR
REC SHOP	.8-R		19	20			
REC SHOP	.8-R		21	22	20/1	.8-R	
REC SHOP	.8-R		23	24			SPACE
A/C	1.2-M	20/2	25	26			
			27	28			
SPACE			29	30			
			31	32			
			33	34			
			35	36			
			37	38			
			39	40			
			41	42			

ABBREVIATIONS: L-LIGHTS, R-RECEPTACLES, M-MOTORS, H-RESISTANCE HEAT, C-CONTROL, M.L.O.-MAIN LUGS ONLY, D.S.L.-DOUBLE SET OF LUGS, M.B.-MAIN BREAKER, FTL-FEED THROUGH LUGS, *- CLASS A, 5mA GROUND FAULT BREAKER

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
HEAPY PROJECT No.: 2012-04021 FIRM LICENSE No.: 01528

STATE OF OHIO — JOHN A. BLACK 49341 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: ELECTRICAL POWER PLAN - FIRST FLOOR

Approved: Project Director

Project Title: STABILIZE HISTORIC BUILDING

Location: Dayton VAMC

Date: 01/30/2013 | Checked: MSG | Drawn: JB

Project No.: VA Project No. 552-13-102; JPA Project No. 12015.00

Building Number: -

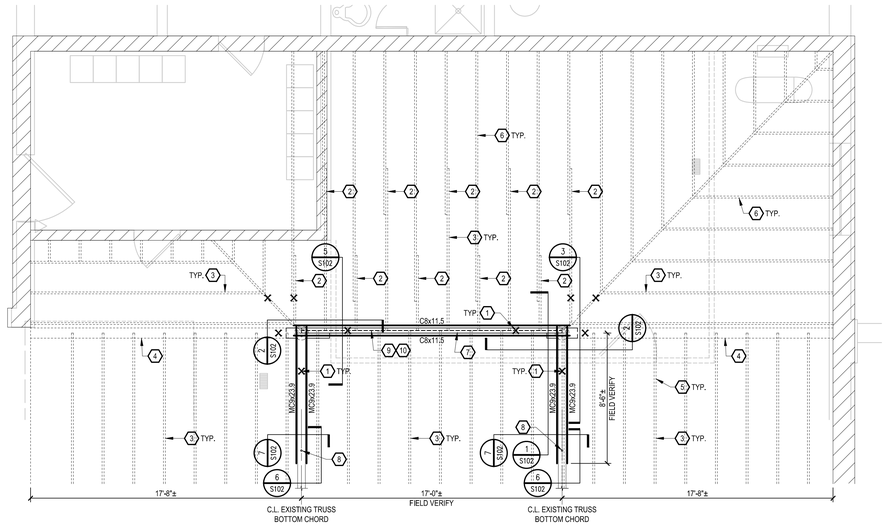
Drawing Number: 135EP101

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

PROJECT NO. 2012-04021
HEAPY ENGINEERING
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY

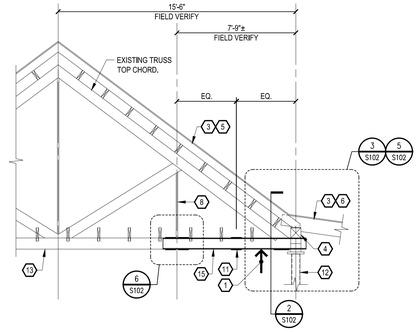
PLOTTED BY: jbondurgh
PLOTTED ON DATE: January 31, 2013



BUILDING 137

PARTIAL ROOF FRAMING PLAN

1/4" = 1'-0" — A S102



SECTION

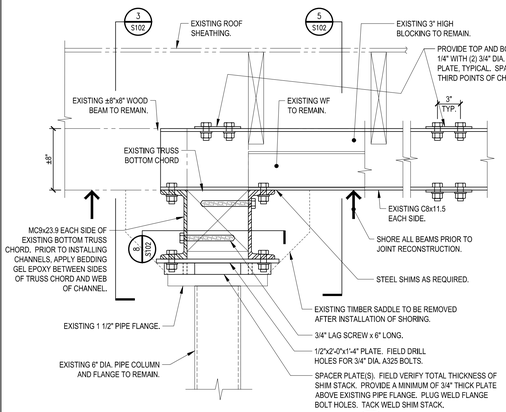
1/4" = 1'-0" — 1 S102

PLAN NOTES:

1. REFER TO DRAWING S101 FOR GENERAL NOTES.
2. COORDINATE SHORING/JOIST REMOVAL AND REPLACEMENT WITH MEP SERVICES. COORDINATE WITH VA ENGINEERING.
   a. TERMINATE UNUSED ELECTRICAL CIRCUITS AT A JUNCTION BOX.
   b. REFEED EXISTING POWERED CIRCUITS AFTER COMPLETING PERMANENT SHORING.
   c. RECONNECT/REROUT EXISTING, IN USE, PIPING DISTURBED DURING PERMANENT SHORING INSTALLATION.

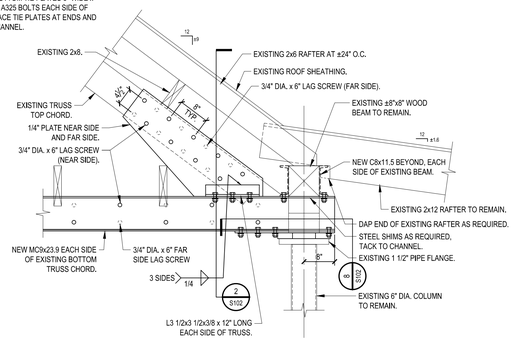
KEY NOTES: ⬡

1. PROVIDE TEMPORARY SHORING 15 KIP CAPACITY.
2. INSTALL CARRIAGE BOLTS IN EXISTING SPLICED ROOF JOIST PER DETAIL 4/S102.
3. EXISTING JOIST TO REMAIN.
4. EXISTING ±8"x6" WOOD BEAM BELOW.
5. EXISTING 2x6 RAFTERS.
6. EXISTING 2x12 RAFTERS.
7. EXISTING W5 + 3" BLOCKING.
8. EXISTING TRUSS HANGER ROD.
9. EXISTING WF5 TO REMAIN.
10. EXISTING 3" WOOD BLOCKING.
11. TOP AND BOTTOM TIE PLATES. REFER TO DETAIL 6/S103.
12. EXISTING 6" DIA. PIPE COLUMN TO REMAIN.
13. EXISTING TRUSS BOTTOM CHORD.
14. EXISTING TRUSS TOP CHORD.
15. MC9x23.9 CHANNEL EACH SIDE OF EXISTING BOTTOM TRUSS CHORD.



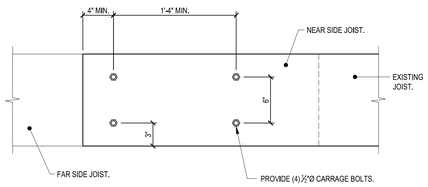
DETAIL

1-1/2" = 1'-0" — 2 S102



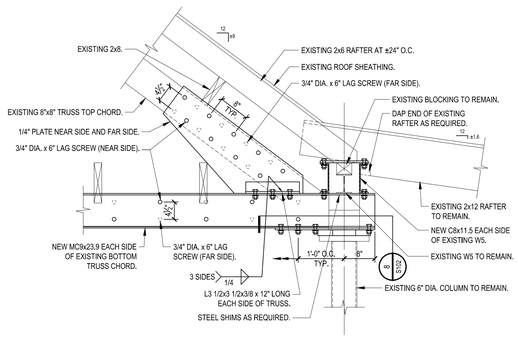
DETAIL

3/4" = 1'-0" — 3 S102



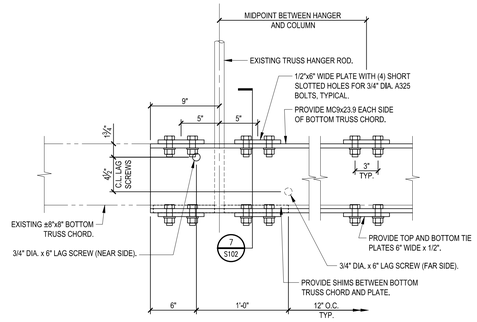
DETAIL

1-1/2" = 1'-0" — 4 S102



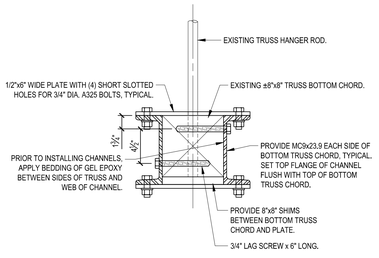
DETAIL

3/4" = 1'-0" — 5 S102



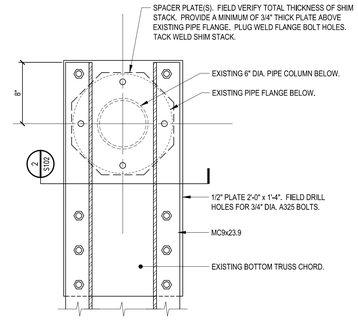
DETAIL

1-1/2" = 1'-0" — 6 S102



DETAIL

1-1/2" = 1'-0" — 7 S102



DETAIL

1-1/2" = 1'-0" — 8 S102

Revisions		Date
1	FOR BID	1/30/13

CONSULTANTS:

THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
Fax: 513.241.2981
www.thpltd.com

STATE OF OHIO — FRANK JOSEPH ELLERT — E-50492 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 137 MAIN ENTRANCE FRAMING PLAN AND DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: JANUARY 30, 2013 | Checked: FJE | Drawn: SET

Project No. | VA Project No. 552-13-102 | JPA Project No. 12015.00

Building Number: 137

Drawing Number: 137-S102

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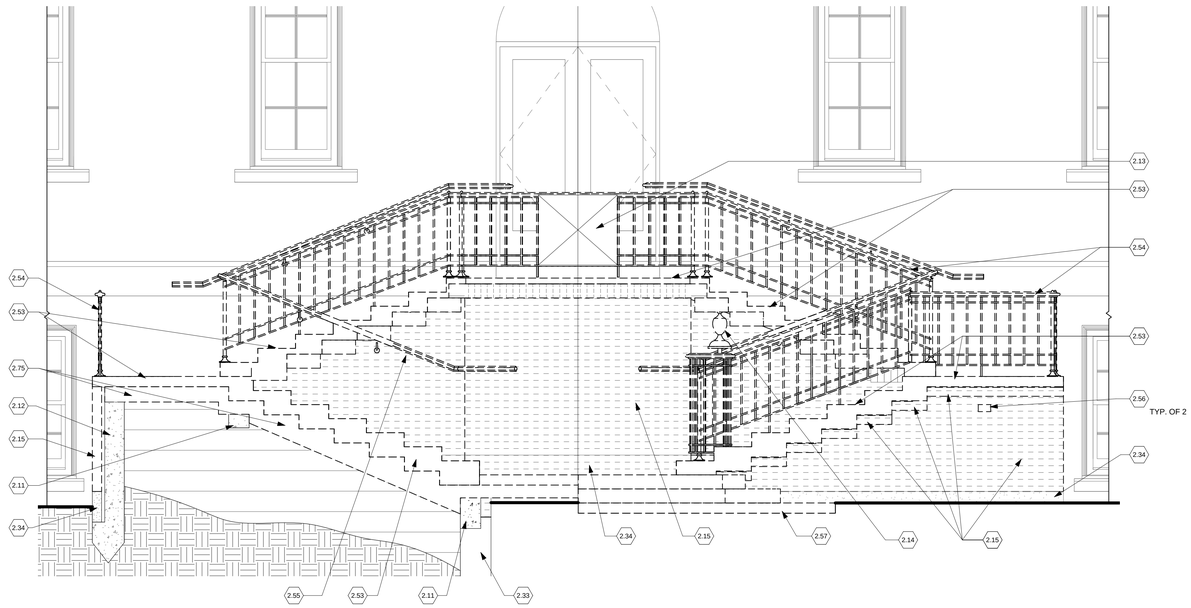
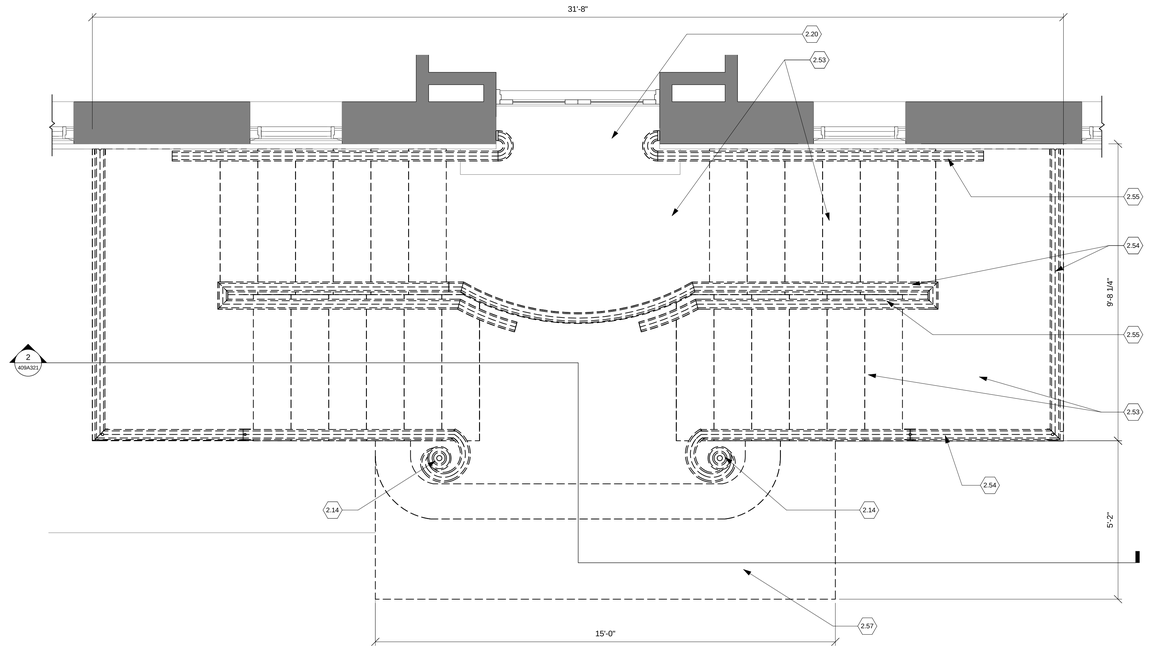
Office of Construction and Facilities Management

Department of Veterans Affairs



2 DEMOLITION SECTION/ELEVATION

Scale: 1/2" = 1'-0"



1 STAIR DEMOLITION PLAN

Scale: 1/2" = 1'-0"

GENERAL DEMOLITION NOTES

A. Stair work shall be completed in two phases, so that the first half , then the last half of the two stairs is always available for egress.

B. Contractor shall complete demolition work so that the vertical concrete sub-structure is not damaged. Any new/existing damage or deterioration of vertical concrete sub-structure shall be reported to the C.O.R. immediately.

⎔ KEY NOTES

2.11 Existing cast in place concrete sub-structure to remain.
2.12 Existing concrete/masonry backup wall to remain.
2.13 Salvage existing decorative cast iron scrollwork panel. See new work for reinstallation.
2.14 Salvage existing decorative cast iron urn. See new work for reinstallation.
2.15 Remove existing brick.
2.20 Existing granite slab to remain. New granite to match existing color and pattern.
2.33 Existing column to remain.
2.34 Existing stone to remain.
2.53 Remove existing concrete topping slab/treads/landing.
2.54 Remove existing guard railing system.
2.55 Remove existing wall mounted handrail.
2.56 Disconnect electrical circuit and remove electrical junction box.
2.57 Remove existing concrete sidewalk.
2.75 Remove cast in place concrete substructure at landings and stairs. See Structural Drawings.

Revisions | Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

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ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: STAIR DEMOLITION PLAN AND ELEVATIONS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: NS

Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 409

Drawing Number: 409A321

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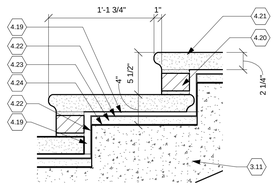
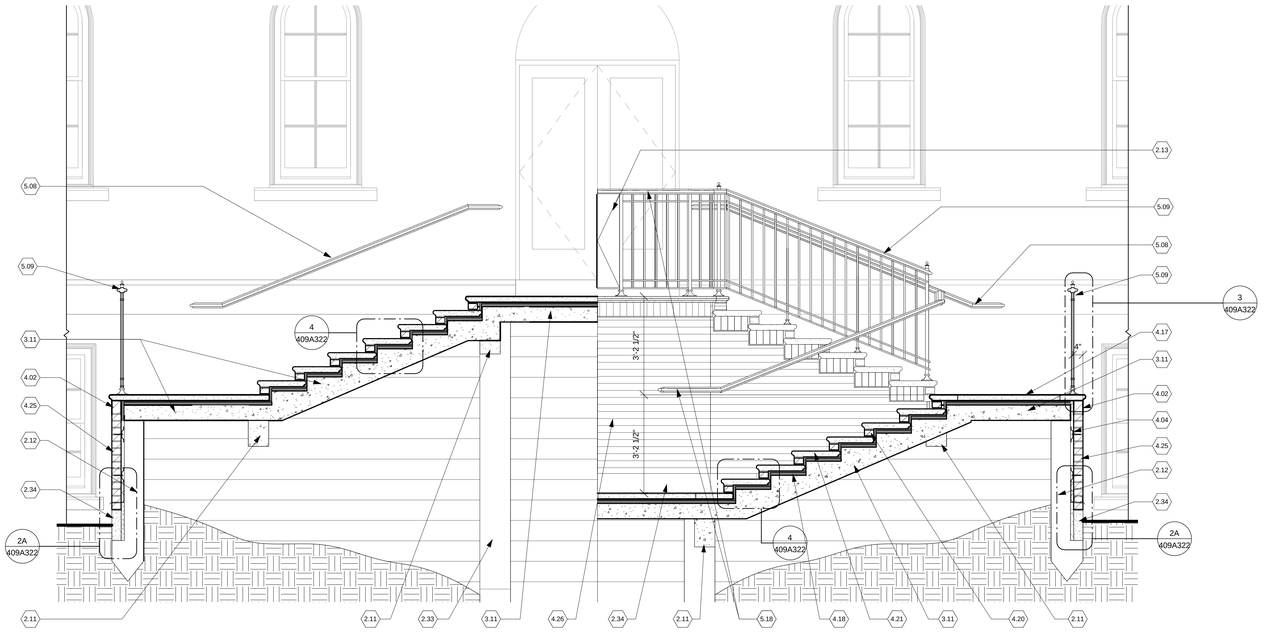
Department of Veterans Affairs



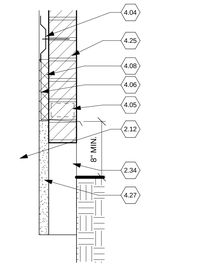
4 TREAD DETAIL

Scale: 1 1/2" = 1'-0"



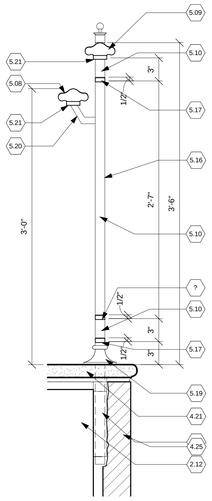
2 STAIR SECTION

Scale: 1/2" = 1'-0"



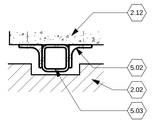
2A SECTION DETAIL

Scale: 1 1/2" = 1'-0"



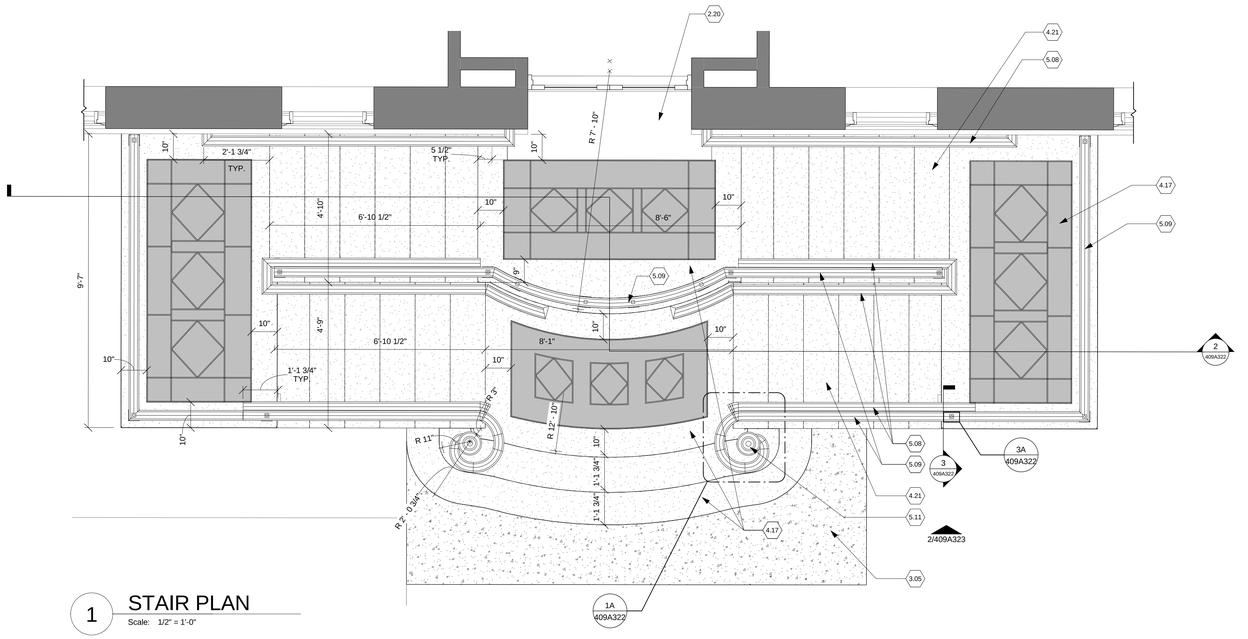
3 RAIL ELEVATION

Scale: 1 1/2" = 1'-0"



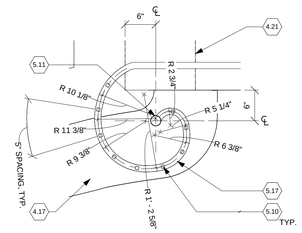
3A RAIL SUPPORT PLAN

Scale: 3" = 1'-0"



1 STAIR PLAN

Scale: 1/2" = 1'-0"



1A RAIL PLAN DETAIL

Scale: 1" = 1'-0"

KEY NOTES

2.02	Existing masonry to remain.
2.11	Existing cast in place concrete sub-structure to remain.
2.12	Existing concrete/masonry backup wall to remain.
2.13	Salvage existing decorative cast iron scrollwork panel. See new work for reinstallation.
2.20	Existing granite slab to remain. New granite to match existing color and pattern.
2.33	Existing column to remain.
2.34	Existing stone to remain.
3.05	New 4" thick concrete sidewalk.
3.11	New cast in place concrete substructure. See Structural Drawings.
4.02	New soldier course brick accent, two courses tall.
4.04	Adjustable veneer anchors @ 16" o.c. vertical.
4.05	Full joint weep/vent @ 24" o.c. horizontal.
4.06	Thru-wall flashing.
4.08	Mortar mesh.
4.17	New flagstone field with granite border.
4.18	Setting bed. See Detail 4/409A322.
4.19	Cementitious bond coat.
4.20	New running bond brick riser.
4.21	New granite tread.
4.22	Waterproofing membrane.
4.23	Bonded mortar bed.
4.24	Mortar bed bond coat.
4.25	New running bond brick veneer to match existing building. Align coursing.
4.26	New flemish bond brick veneer to match existing building. Align coursing.
4.27	Grout solid behind brick.
5.02	Steel angle. See Structural Drawings.
5.03	Steel tube. See Structural Drawings.
5.08	Ornamental handrail @ 36" above stair nosing.
5.09	42" tall ornamental guardrail.
5.10	5/8" square steel pickets.
5.11	Reinstall salvaged decorative cast iron urn.
5.16	1-1/4" square steel newel post.
5.17	1-1/4" x 1/2" steel bar.
5.18	Radius handrail /guardrail to follow masonry wall.
5.19	Decorative cover plate.
5.20	1/2" steel bracket.
5.21	1-3/4" x 1/2" steel bar.

Revisions | Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

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ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2139
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: STAIR PLANS AND DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: NS

Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 409

Drawing Number: 409A322

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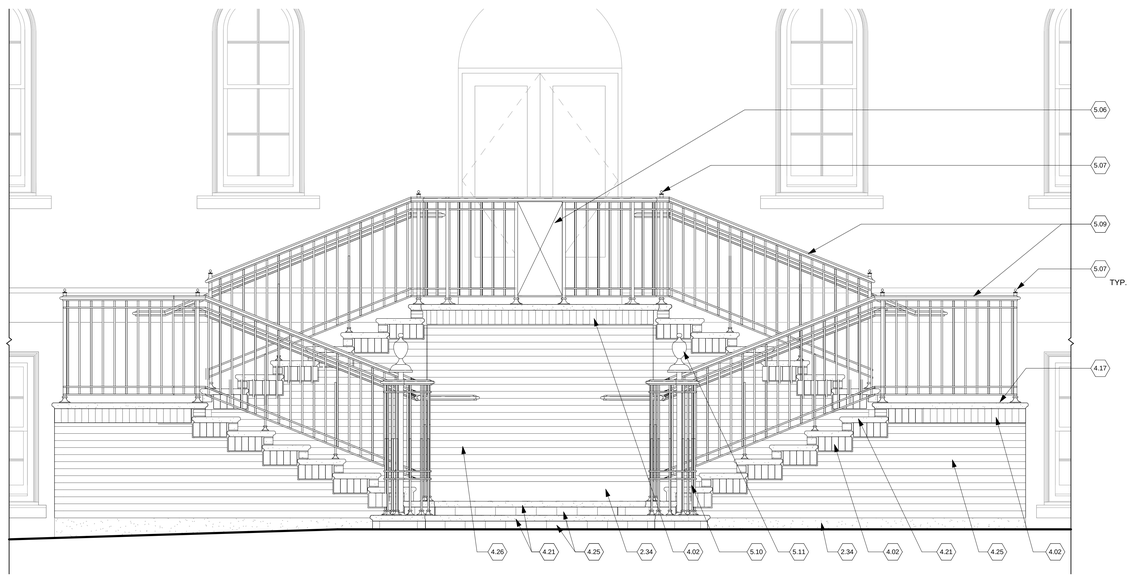
Office of Construction and Facilities Management
Department of Veterans Affairs

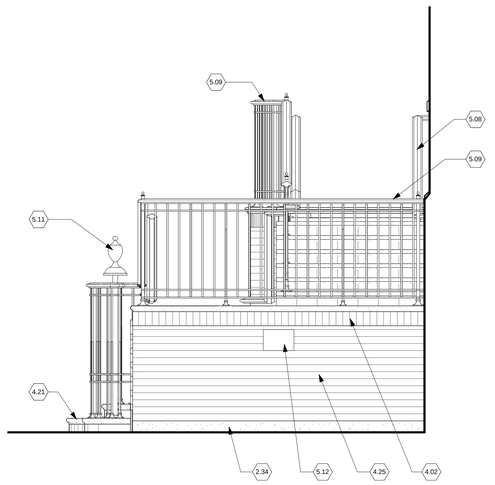
KEY NOTES

2.34	Existing stone to remain.
4.02	New soldier course brick accent, two courses tall.
4.17	New flagstone field with granite border.
4.21	New granite tread.
4.25	New running bond brick veneer to match existing building. Align coursing.
4.26	New flemish bond brick veneer to match existing building. Align coursing.
5.06	Reinstall salvaged decorative cast iron scrollwork panel.
5.07	Decorative ball and fineal to match existing.
5.08	Ornamental handrail @ 36" above stair nosing.
5.09	42" tall ornamental guardrail.
5.10	5/8" square steel pickets.
5.11	Reinstall salvaged decorative cast iron urn.
5.12	Salvage existing metal brick vent. Clean, prime, paint, and reinstall.



2 FRONT ELEVATION

Scale: 1/2" = 1'-0"



1 SIDE ELEVATION

Scale: 1/2" = 1'-0"

Revisions | Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com

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JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2193
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: STAIR ELEVATIONS AND DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: 1/30/2012 | Checked: TH | Drawn: NS

Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 409

Drawing Number: 409A323

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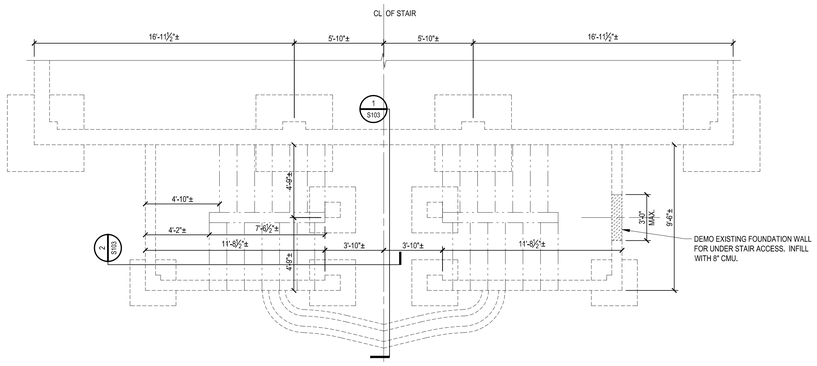
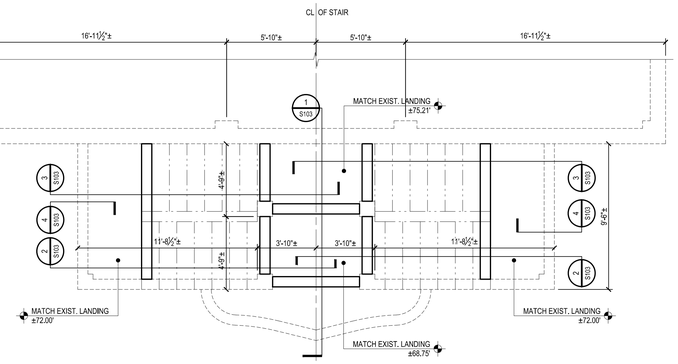


STAIR FOUNDATION PLAN

1/4" = 1'-0"

A S103



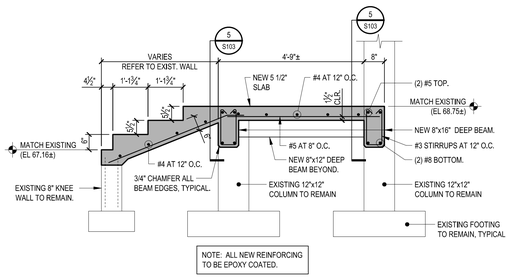
STAIR FRAMING PLAN

1/4" = 1'-0"

B S103

PLAN NOTES:

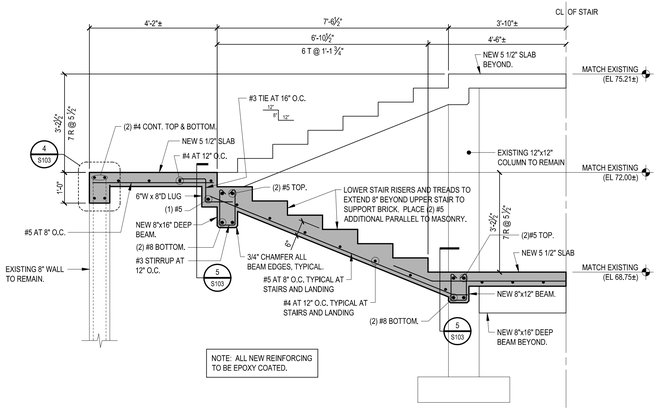
1. REFER TO DRAWING S101 FOR GENERAL NOTES.



SECTION

1/2" = 1'-0"

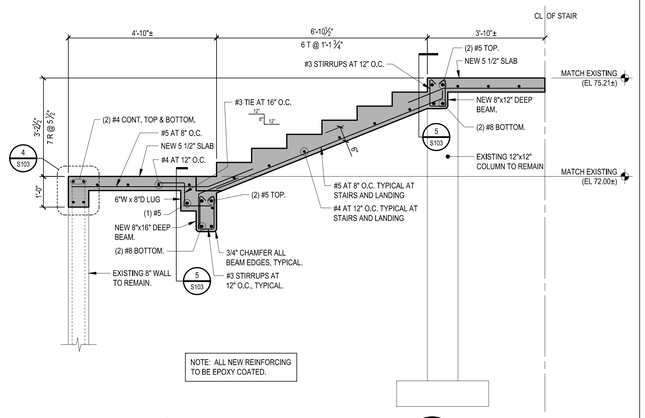
1 S103



SECTION

1/2" = 1'-0"

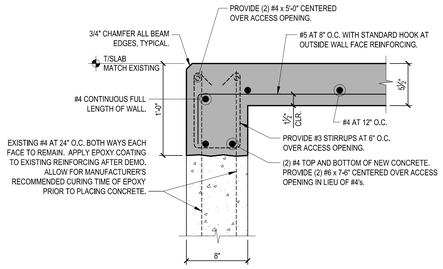
2 S103



SECTION

1/2" = 1'-0"

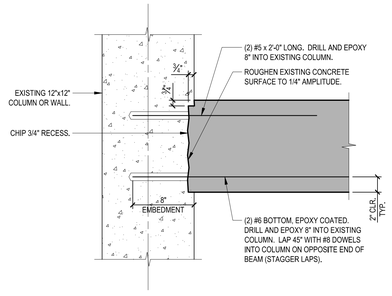
3 S103



SECTION

1 1/2" = 1'-0"

4 S103



SECTION

1 1/2" = 1'-0"

5 S103

Revisions		Date
1	FOR BID	1/30/13

CONSULTANTS:

THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
Fax: 513.241.2981
www.thpltd.com

STATE OF OHIO
FRANK JOSEPH ELLERT
E-50492
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ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: BUILDING 409 ENTRY FRAMING PLAN AND DETAILS

Approved: Project Director

Project Title: Stabilize Historic Buildings

Location: Dayton, Ohio

Date: JANUARY 30, 2013

Checked: FJE

Drawn: SET

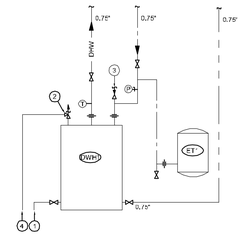
Project No.
VA Project No. 552-13-102
JPA Project No. 12015.00

Building Number: 409

Drawing Number: 409-S103

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs



NOTES

1 AIR GAP OVER FLOOR DRAIN.

2 COMBINATION TEMPERATURE-PRESSURE RELIEF VALVE.

3 VACUUM RELIEF VALVE.

4 AIR GAP OVER FLOOR DRAIN.

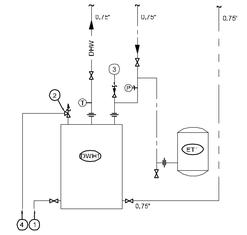
DATA

DHW1 DOMESTIC WATER HEATER:ELECTRIC
CAPACITY: 23 GPH @ 50 DEG. F. TEMPERATURE RISE
ELECTRIC: 4.5 KW INPUT @ 208V, 1 PH
TANK CAPACITY: 30 GALLONS
NON-SIMULTANEOUS OPERATION

ET1 DOMESTIC WATER EXPANSION TANK
NON-ASME, 150 PSIG WORKING PRESSURE
2.0 GAL. TANK VOL. 8" DIA. x 12 5/8" HIGH WITH 0.75" CONNECTION

BLDG. 119
DOMESTIC WATER HEATER PIPING
SCALE: NONE

A P001



NOTES

1 AIR GAP OVER FLOOR DRAIN.

2 COMBINATION TEMPERATURE-PRESSURE RELIEF VALVE.

3 VACUUM RELIEF VALVE.

4 AIR GAP OVER FLOOR DRAIN.

DATA

DHW1 DOMESTIC WATER HEATER:ELECTRIC
CAPACITY: 23 GPH @ 50 DEG. F. TEMPERATURE RISE
ELECTRIC: 4.5 KW INPUT @ 208V, 1 PH
TANK CAPACITY: 30 GALLONS
NON-SIMULTANEOUS OPERATION

ET1 DOMESTIC WATER EXPANSION TANK
NON-ASME, 150 PSIG WORKING PRESSURE
2.0 GAL. TANK VOL. 8" DIA. x 12 5/8" HIGH WITH 0.75" CONNECTION

BLDG. 135
DOMESTIC WATER HEATER PIPING
SCALE: NONE

B P001

GENERAL NOTES

A ALL PIPING IS ABOVE THE CEILING (AT THE UNDERSIDE OF STRUCTURE IN EXPOSED STRUCTURAL AREAS), UNLESS OTHERWISE NOTED.

B REFER TO SCHEDULES, DETAILS AND DIAGRAMS FOR PIPING, PIPE SIZES AND PIPELINE DEVICES NOT INDICATED ON THE FLOOR PLAN.

C ABOVE CEILING UTILITY SPACE IS LIMITED IN CERTAIN AREAS. COORDINATION WITH ALL TRADES IS CRITICAL, PRIOR TO INSTALLATION OF ANY WORK.

D LOCATIONS AND SIZES OF EXISTING PIPING HAVE BEEN DETERMINED FROM A REVIEW OF EXISTING DRAWINGS AND/OR SITE INSPECTION. WHERE POSSIBLE, FIELD VERIFICATION OF EXACT LOCATION, ELEVATIONS, FITTINGS, SIZES, DIRECTION OF FLOW, ETC., SHALL BE REQUIRED PRIOR TO BEGINNING NEW WORK.

E ALL PIPING REQUIRING REMOVAL SHALL BE REMOVED BACK TO ACTIVE MAINS AND CAPPED, OR REMOVED BACK TO POINTS OF NEW WORK INACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED IN-PLACE, BE DISCONNECTED FROM ACTIVE MAINS AND CAPPED OR PLUGGED IN CONCEALED LOCATIONS.

F NEW CONNECTIONS TO EXISTING PIPING SHALL BE WITH THE SAME SIZE AS THE EXISTING PIPING UNLESS OTHERWISE NOTED.

G ALL REMOVED MATERIAL AND EQUIPMENT SO DESIGNATED BY THE C.O.R., SHALL BE TURNED OVER AND PLACED WHERE DIRECTED. ALL MATERIAL AND EQUIPMENT WHICH THE C.O.R. DOES NOT WISH TO RETAIN, SHALL BECOME THE PROPERTY OF THE CONTRACTOR RESPONSIBLE FOR THE REMOVAL.

H REFER TO THE ARCHITECTURAL PLANS FOR PROJECT PHASING REQUIREMENTS.

LEGEND

G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
F.S.C.	FIRE SUPPRESSION CONTRACTOR
H.C.	HVAC CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
DCW	DOMESTIC COLD WATER PIPE (EXISTING)
DHW	DOMESTIC HOT WATER PIPE (EXISTING)
DHWR	DOMESTIC HOT WATER RECIRCULATION PIPE (EXISTING)
- -	DOMESTIC COLD WATER PIPE (NEW)
- - -	DOMESTIC HOT WATER PIPE (NEW)
- - - -	DOMESTIC HOT WATER RECIRCULATION PIPE (NEW)
- - - -	EXISTING PIPE TO BE REMOVED
	DIRECTION OF FLOW
	SHUT-OFF VALVE (BALL)
	CHECK VALVE
	UNION
P	PRESSURE GAUGE
T	THERMOMETER
FD	FLOOR DRAIN (EXISTING)
3	"NOTE" SYMBOL (FOR NOTES ON SAME SHEET)
	"CONNECT TO EXISTING" SYMBOL
123	ROOM NUMBER
A / 1-P1	DETAIL A ON SHEET 1-P1

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
HEAPY PROJECT No.: 2012-04021 FIRM LICENSE No.: 01528

STATE OF OHIO · JOHN A. BLACK · 49341 · REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: LEGEND, DETAILS AND GENERAL NOTES

Approved: Project Director

Project Title: STABILIZE HISTORIC BUILDING

Location: Dayton VAMC

Date: 01/30/2013 | Checked: RLT | Drawn: DPB

Project No.: VA Project No. 552-13-102, JPA Project No. 12015.00

Building Number: 119 & 135

Drawing Number: P001 Sht. of

Office of Construction and Facilities Management
Department of Veterans Affairs

PROJECT NO. _____ PLOTTED BY: dpburton
HEAPY ENGINEERING PLOT DATE: January 30, 2013
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY

ELECTRICAL SYMBOLS

3 $	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
3 $	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
GF	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
WP	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH TAYMAC #10310 STANDARD COVER, VERTICAL MOUNT.
WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE). WITH TAYMAC #20310 STANDARD COVER, VERTICAL MOUNT.
EM	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLOOR BOX WITH SA-2525 COVERPLATE AND SC-3091 HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
IG	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
20A	20A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE).
30A	30A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).
50A	50A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE).
20A	20A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).
30A	30A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE).
50A	50A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE).
J	JUNCTION BOX.
	MULTI-OUTLET RECEPTACLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED OTHERWISE).
C	CLOCK HANGER OUTLET, SINGLE NEMA 5-15R RECESSED IN COVER PLATE (84" MH UNLESS NOTED OTHERWISE).
$	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
2 $	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
3 $	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
4 $	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
P $	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
K $	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
DM $	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
R $	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.
M $	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
H $	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
	DISCONNECT SWITCH.
	MOTOR STARTER.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.

GENERAL FLOOR PLAN NOTES

B / E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 / E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
E	EXISTING WIRE & CONDUIT TO REMAIN.
SEC	WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY.
TV	WIRE & CONDUIT FOR TELEVISION SYSTEM CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

ABBREVIATIONS

AAP - AREA ALARM PANEL - MEDICAL GAS	ID - INSIDE DIAMETER
CC - ACCESS	IN - INCHES
ADJ - ADJUSTABLE	
AF - ARC FAULT CIRCUIT INTERUPTER	KEC - KITCHEN EQUIPMENT CONTRACTOR
AFCI - ARC FAULT CIRCUIT INTERUPTER	
AFF - ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	L - LENGTH
AFG - ABOVE FINISHED GRADE TO BOTTOM OF ITEM	LBS - POUNDS
ALT - ALTERNATE	
AP - ACCESS PANEL	MAP - MASTER ALARM PANEL (MEDICAL GAS)
APPROX - APPROXIMATE	MAX - MAXIMUM
ARCH - ARCHITECT OR ARCHITECTURAL	MEZZ - MEZZANINE
ASSY - ASSEMBLY	MFR - MANUFACTURER
ATS - AUTOMATIC TRANSFER SWITCH	MH - MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
	MIN - MINIMUM OR MINUTE
BLDG - BUILDING	MISC - MISCELLANEOUS
BOE - BOTTOM OF EQUIPMENT	MTD - MOUNTED
BOT - BOTTOM	MTG - MOUNTING
BTWN - BETWEEN	
	NIC - NOT IN CONTRACT
CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED	NOM - NOMINAL
CKT - CIRCUIT	NTS - NOT TO SCALE
CLG - CEILING	
CMU - CONCRETE MASONRY UNIT	OD - OUTSIDE DIAMETER
CONN - CONNECT OR CONNECTION	OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
CONTR - CONTRACTOR	OFOI - OWNER FURNISHED OWNER INSTALLED
CORR - CORRIDOR	
COTR - CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE	PC - PLUMBING CONTRACTOR (DIVISION 22)
CTR - CENTER	PLBG - PLUMBING
	RAD - RADIUS
D - DEPTH	REC - RECESSED
DET - DETAIL	REQD - REQUIRED
DIA - DIAMETER	RI - ROUGH-IN
DIM - DIMENSION	
DIV - DIVISION	S - SURFACE MOUNTED
DN - DOWN	SC - SECURITY CONTRACTOR
DWG - DRAWING	SCH - SCHEDULE
	SHT - SHEET
EA - EACH	SMS - SECURITY MANAGEMENT SYSTEM
EC - ELECTRICAL CONTRACTOR (DIVISION 26)	SPEC - SPECIFICATIONS
EJ - EXPANSION JOINT	SQ - SQUARE
ELEC - ELECTRICAL	SS - STAINLESS STEEL
ELEV - ELEVATION OR ELEVATOR	STD - STANDARD
EM - EMERGENCY	STRUC - STRUCTURAL OR STRUCTURE
EQ - EQUAL	SUC - SITE UTILITY CONTRACTOR
EQIS - EQUIPMENT SUPPLIER	
EQUIP - EQUIPMENT	TC - TECHNOLOGY CONTRACTOR
ETR - EXISTING TO REMAIN	TEMP - TEMPERATURE
EX - EXISTING	TOE - TOP OF EQUIPMENT
EXP - EXPANSION	TYP - TYPICAL
EXT - EXTERIOR	
	UNO - UNLESS NOTED OTHERWISE
FCE - FIRE CONTROL EQUIPMENT	
FF - FINISHED FLOOR ELEVATION	VFD - VARIABLE FREQUENCY DRIVE
FLR - FLOOR	VOL - VOLUME
FSC - FIRE SUPPRESSION CONTRACTOR (DIVISION 21)	
FT - FEET	W/ - WITH
FTG - FOOTING	W/O - WITHOUT
	WP - WEATHERPROOF
GC - GENERAL CONTRACTOR	
GF - GROUND FAULT CIRCUIT INTERRUPTER	ZVC - ZONE VALVE CABINET
GFCI - GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED	
GFFT - GROUND FAULT FEED THRU	
HC - HVAC CONTRACTOR (DIVISION 23)	
HP - HORSE POWER OR HIGH POINT	
HVAC - HEATING, VENTILATING, AND AIR CONDITIONING	

Revisions	Date

CONSULTANTS:

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Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
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STATE OF OHIO JOHN A. BLACK 49341 REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: ELECTRICAL LEGEND

Approved: Project Director

Project Title: STABILIZE HISTORIC BUILDING

Location: Dayton VAMC

Date: 01/30/2013 | Checked: MSG | Drawn: JB

Project No.: VA Project No. 552-13-102; JPA Project No. 12015.00

Building Number: -

Drawing Number: E001

Dwg. of

Office of Construction and Facilities Management
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PROJECT NO. 2012-04021
HEAPY ENGINEERING
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
MECHANICAL ELECTRICAL COMMISSIONING TECHNOLOGY

PLOTTED By: jbondurant
PLOT DATE: January 31, 2013